



ThinkCentre Hardware Maintenance Manual



ThinkThink**ThinkCentre**Think

Machine Types: 7258, 7259, 7260, 7267, 7268, 7269, 7270, 7279, 7280, 7290, 7296, 7297, 7298, 7303, 7304, 7306, 7307, 7408, 7413, 7487, 7491, 7506, 7508, 7514, 7843, and 7847



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Note: Before using this information and the product it supports, be sure to read the information under Appendix A “Notices” on page 525.

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Chapter 1. About this manual

This manual contains service and reference information for ThinkCentre® computers listed on the cover. It is intended only for trained servicers who are familiar with Lenovo® computer products.

Before servicing a Lenovo product, be sure to read the Safety Information. See Chapter 2 “Safety information” on page 3.

The Symptom-to-FRU Index and Additional Service Information chapters are not specific to any machine type and are applicable to all ThinkCentre computers.

This manual includes a complete FRU part number listing for each machine type and model listed on the cover. If you have internet access, FRU part numbers are also available at:
<http://www.lenovo.com/support>

Important Safety Information

Be sure to read all caution and danger statements in this book before performing any of the instructions.

Veillez lire toutes les consignes de type DANGER et ATTENTION du présent document avant d'exécuter les instructions.

Lesen Sie unbedingt alle Hinweise vom Typ "ACHTUNG" oder "VORSICHT" in dieser Dokumentation, bevor Sie irgendwelche Vorgänge durchführen

Leggere le istruzioni introdotte da ATTENZIONE e PERICOLO presenti nel manuale prima di eseguire una qualsiasi delle istruzioni

Certifique-se de ler todas as instruções de cuidado e perigo neste manual antes de executar qualquer uma das instruções

Es importante que lea todas las declaraciones de precaución y de peligro de este manual antes de seguir las instrucciones.

تأكد من قراءة كل التحذيرات الموجودة في هذا الكتاب قبل اتباع هذه التعليمات .

执行任何说明之前，请确保已阅读本书中的所有警告和危险声明。

執行任何指示前，請確實閱讀本書中的所有警告及危險聲明。

ודאו שקראתם את כל הודעות האזהרה והסכנה במסמך זה לפני שתבצעו פעולה כלשהי.

본 사용 설명서에 기재된 내용을 실행하기 전에 모든 주의사항 및 위험사항을 숙지하십시오.

Important information about replacing RoHS compliant FRUs

RoHS, The Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive (2002/95/EC) is a European Union legal requirement affecting the global electronics industry. RoHS requirements must be implemented on Lenovo products placed on the market and sold in the European Union after June 2006. Products on the market before June 2006 are not required to have RoHS compliant parts. If the parts are not compliant originally, replacement parts can also

be noncompliant, but in all cases, if the parts are compliant, the replacement parts must also be compliant.

Note: RoHS and non-RoHS FRU part numbers with the same fit and function are identified with unique FRU part numbers.

Lenovo plans to transition to RoHS compliance well before the implementation date and expects its suppliers to be ready to support Lenovo's requirements and schedule in the EU. Products sold in 2005 will contain some RoHS compliant FRUs. The following statement pertains to these products and any product Lenovo produces containing RoHS compliant parts.

RoHS compliant ThinkCentre parts have unique FRU part numbers. Before or after June 2006, failed RoHS compliant parts must always be replaced using RoHS compliant FRUs, so only the FRUs identified as compliant in the system hardware maintenance manual or direct substitutions for those FRUs can be used.

Products marketed before June 2006		Products marketed after June 2006	
Current or original part	Replacement FRU	Current or original part	Replacement FRU
Non-RoHS	Can be Non-RoHS	Must be RoHS	Must be RoHS
Non-RoHS	Can be RoHS		
Non-RoHS	Can substitute for RoHS		
RoHS	Must be RoHS		

Note: A direct substitution is a part with a different FRU part number that is automatically shipped by the distribution center at the time of order.

Turkish statement of compliance

The Lenovo product meets the requirements of the Republic of Turkey Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (EEE).

Türkiye EEE Yönetmeliğine Uygunluk Beyanı

Bu Lenovo ürünü, T.C. Çevre ve Orman Bakanlığı'nın "Elektrik ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik (EEE)" direktiflerine uygundur.

EEE Yönetmeliğine Uygundur.

Chapter 2. Safety information

This chapter contains the safety information that you need to be familiar with before servicing a computer.

General safety

Follow these rules to ensure general safety:

- Observe good housekeeping in the area of the machines during and after maintenance.
- When lifting any heavy object:
 1. Ensure you can stand safely without slipping.
 2. Distribute the weight of the object equally between your feet.
 3. Use a slow lifting force. Never move suddenly or twist when you attempt to lift.
 4. Lift by standing or by pushing up with your leg muscles; this action removes the strain from the muscles in your back. *Do not attempt to lift any objects that weigh more than 16 kg (35 lb) or objects that you think are too heavy for you.*
- Do not perform any action that causes hazards to the customer, or that makes the equipment unsafe.
- Before you start the machine, ensure that other service representatives and the customer's personnel are not in a hazardous position.
- Place removed covers and other parts in a safe place, away from all personnel, while you are servicing the machine.
- Keep your tool case away from walk areas so that other people will not trip over it.
- Do not wear loose clothing that can be trapped in the moving parts of a machine. Ensure that your sleeves are fastened or rolled up above your elbows. If your hair is long, fasten it.
- Insert the ends of your necktie or scarf inside clothing or fasten it with a nonconductive clip, approximately 8 centimeters (3 inches) from the end.
- Do not wear jewelry, chains, metal-frame eyeglasses, or metal fasteners for your clothing. **Remember:** Metal objects are good electrical conductors.
- Wear safety glasses when you are: hammering, drilling soldering, cutting wire, attaching springs, using solvents, or working in any other conditions that might be hazardous to your eyes.
- After service, reinstall all safety shields, guards, labels, and ground wires. Replace any safety device that is worn or defective.
- Reinstall all covers correctly before returning the machine to the customer.

Electrical safety



CAUTION:

Electrical current from power, telephone, and communication cables can be hazardous. To avoid personal injury or equipment damage, disconnect the attached power cords, telecommunication systems, networks, and modems before you open the server/workstation covers, unless instructed otherwise in the installation and configuration procedures.

Observe the following rules when working on electrical equipment.

Important: Use only approved tools and test equipment. Some hand tools have handles covered with a soft material that does not insulate you when working with live electrical currents. Many customers have, near their equipment, rubber floor mats that contain small conductive fibers to decrease electrostatic discharges. Do not use this type of mat to protect yourself from electrical shock.

- Find the room emergency power-off (EPO) switch, disconnecting switch, or electrical outlet. If an electrical accident occurs, you can then operate the switch or unplug the power cord quickly.
- Do not work alone under hazardous conditions or near equipment that has hazardous voltages.
- Disconnect all power before:
 - Performing a mechanical inspection
 - Working near power supplies
 - Removing or installing Field Replaceable Units
- Before you start to work on the machine, unplug the power cord. If you cannot unplug it, ask the customer to power-off the wall box that supplies power to the machine and to lock the wall box in the off position.
- If you need to work on a machine that has exposed electrical circuits, observe the following precautions:
 - Ensure that another person, familiar with the power-off controls, is near you.
Remember: Another person must be there to switch off the power, if necessary.
 - Use only one hand when working with powered-on electrical equipment; keep the other hand in your pocket or behind your back.
Remember: There must be a complete circuit to cause electrical shock. By observing the above rule, you may prevent a current from passing through your body.
 - When using testers, set the controls correctly and use the approved probe leads and accessories for that tester.
 - Stand on suitable rubber mats (obtained locally, if necessary) to insulate you from grounds such as metal floor strips and machine frames.

Observe the special safety precautions when you work with very high voltages; these instructions are in the safety sections of maintenance information. Use extreme care when measuring high voltages.

- Regularly inspect and maintain your electrical hand tools for safe operational condition.
- Do not use worn or broken tools and testers.
- *Never assume* that power has been disconnected from a circuit. First, *check* that it has been powered-off.
- Always look carefully for possible hazards in your work area. Examples of these hazards are moist floors, nongrounded power extension cables, power surges, and missing safety grounds.
- Do not touch live electrical circuits with the reflective surface of a plastic dental mirror. The surface is conductive; such touching can cause personal injury and machine damage.
- Do not service the following parts with the power on when they are removed from their normal operating places in a machine:
 - Power supply units
 - Pumps
 - Blowers and fans
 - Motor generatorsand similar units. (This practice ensures correct grounding of the units.)
- If an electrical accident occurs:
 - Use caution; do not become a victim yourself.
 - Switch off power.
 - Send another person to get medical aid.

Voltage-selection switch

Some computers are equipped with a voltage-selection switch located near the power-cord connection point on the computer. If your computer has a voltage-selection switch, ensure that you set the switch to match the voltage available at your electrical outlet. Setting the voltage-selection switch incorrectly can cause permanent damage to the computer.

If your computer does not have a voltage-selection switch, your computer is designed to operate only at the voltage provided in the country or region where the computer was originally purchased.

If you relocate your computer to another country, be aware of the following:

- If your computer does not have a voltage-selection switch, do not connect the computer to an electrical outlet until you have verified that the voltage provided is the same as it was in the country or region where the computer was originally purchased.
- If your computer has a voltage selection switch, do not connect the computer to an electrical outlet until you have verified that the voltage-selection switch is set to match the voltage provided in that country or region.

If you are not sure of the voltage provided at your electrical outlet, contact your local electric company or refer to official Web sites or other literature for travelers to the country or region where you are located.

Safety inspection guide

The intent of this inspection guide is to assist you in identifying potentially unsafe conditions on these products. Each machine, as it was designed and built, had required safety items installed to protect users and service personnel from injury. This guide addresses only those items. However, good judgment should be used to identify potential safety hazards due to attachment of features or options not covered by this inspection guide.

If any unsafe conditions are present, you must determine how serious the apparent hazard could be and whether you can continue without first correcting the problem.

Consider these conditions and the safety hazards they present:

- Electrical hazards, especially primary power (primary voltage on the frame can cause serious or fatal electrical shock).
- Explosive hazards, such as a damaged CRT face or bulging capacitor
- Mechanical hazards, such as loose or missing hardware

The guide consists of a series of steps presented in a checklist. Begin the checks with the power off, and the power cord disconnected.

Checklist:

1. Check exterior covers for damage (loose, broken, or sharp edges).
2. Power-off the computer. Disconnect the power cord.
3. Check the power cord for:
 - a. A third-wire ground connector in good condition. Use a meter to measure third-wire ground continuity for 0.1 ohm or less between the external ground pin and frame ground.
 - b. The power cord should be the appropriate type as specified in the parts listings.
 - c. Insulation must not be frayed or worn.
4. Remove the cover.

5. Check for any obvious alterations. Use good judgment as to the safety of any alterations.
6. Check inside the unit for any obvious unsafe conditions, such as metal filings, contamination, water or other liquids, or signs of fire or smoke damage.
7. Check for worn, frayed, or pinched cables.
8. Check that the power-supply cover fasteners (screws or rivets) have not been removed or tampered with.

Handling electrostatic discharge-sensitive devices

Any computer part containing transistors or integrated circuits (ICs) should be considered sensitive to electrostatic discharge (ESD). ESD damage can occur when there is a difference in charge between objects. Protect against ESD damage by equalizing the charge so that the machine, the part, the work mat, and the person handling the part are all at the same charge.

1. Use product-specific ESD procedures when they exceed the requirements noted here.
2. Make sure that the ESD protective devices you use have been certified (ISO 9000) as fully effective.

When handling ESD-sensitive parts:

- Keep the parts in protective packages until they are inserted into the product.
- Avoid contact with other people while handling the part.
- Wear a grounded wrist strap against your skin to eliminate static on your body.
- Prevent the part from touching your clothing. Most clothing is insulative and retains a charge even when you are wearing a wrist strap.
- Use the black side of a grounded work mat to provide a static-free work surface. The mat is especially useful when handling ESD-sensitive devices.
- Select a grounding system, such as those listed below, to provide protection that meets the specific service requirement.

Note: The use of a grounding system is desirable but not required to protect against ESD damage.

- Attach the ESD ground clip to any frame ground, ground braid, or green-wire ground.
- Use an ESD common ground or reference point when working on a double-insulated or battery-operated system. You can use coax or connector-outside shells on these systems.
- Use the round ground-prong of the ac plug on ac-operated computers.

Grounding requirements

Electrical grounding of the computer is required for operator safety and correct system function. Proper grounding of the electrical outlet can be verified by a certified electrician.

Safety notices (multi-lingual translations)

The caution and danger safety notices in this section are provided in the following languages:

- English
- Arabic
- Brazilian/Portuguese
- Chinese (simplified)
- Chinese (traditional)
- French

- German
- Hebrew
- Italian
- Korean
- Spanish



DANGER

Electrical current from power, telephone and communication cables is hazardous.

To avoid a shock hazard:

- **Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.**
- **Connect all power cords to a properly wired and grounded electrical outlet.**
- **Connect to properly wired outlets any equipment that will be attached to this product.**
- **When possible, use one hand only to connect or disconnect signal cables.**
- **Never turn on any equipment when there is evidence of fire, water, or structural damage.**
- **Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedures.**
- **Connect and disconnect cables as described in the following tables when installing, moving, or opening covers on this product or attached devices.**

To Connect	To Disconnect
1. Turn everything OFF. 2. First, attach all cables to devices. 3. Attach signal cables to connectors. 4. Attach power cords to outlet. 5. Turn device ON.	1. Turn everything OFF. 2. First, remove power cords from outlet. 3. Remove signal cables from connectors. 4. Remove all cables from devices.



CAUTION:

When replacing the lithium battery, use only Part Number 45C1566 or an equivalent type battery recommended by the manufacturer. If your system has a module containing a lithium battery, replace it only with the same module type made by the same manufacturer. The battery contains lithium and can explode if not properly used, handled, or disposed of. *Do not:*

- **Throw or immerse into water**
- **Heat to more than 100°C (212°F)**
- **Repair or disassemble**

Dispose of the battery as required by local ordinances or regulations.



CAUTION:

When laser products (such as CD-ROMs, DVD-ROM drives, fiber optic devices, or transmitters) are installed, note the following:

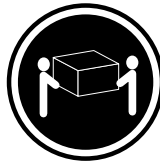
- Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.
- Use of controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.



DANGER

Some laser products contain an embedded Class 3A or Class 3B laser diode. Note the following:

Laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam.



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

CAUTION:

Use safe practices when lifting.



CAUTION:

The power control button on the device and the power switch on the power supply do not turn off the electrical current supplied to the device. The device also might have more than one power cord. To remove all electrical current from the device, ensure that all power cords are disconnected from the power source.



خطر

التيار الكهربائي الموجود بمصدر الطاقة أو أجهزة التلفزيون أو أسلاك الاتصالات يشكل خطورة.

لتفادي مخاطر الصدمات الكهربائية:

لا تحاول توصيل أو فصل أي أسلاك أو القيام بعمليات تركيب أو صيانة أو إعادة توصيف لهذا المنتج أثناء وجود عاصفة كهربائية.

يجب توصيل كل أسلاك الكهرباء في مخارج كهرباء ذات توصيلات أسلاك وتوصيلات أرضية صحيحة

يجب توصيل أي جهاز سيتم الحاقه بهذا المنتج في مخارج كهرباء ذات توصيلات أسلاك صحيحة.

وإن أمكن يجب استخدام يد واحدة فقط في توصيل أو فصل أسلاك الإشارة.

لا تحاول تشغيل أي جهاز إذا كان هناك أثر لحرق أو مياه أو تلف بالمكونات

يجب فصل أسلاك الكهرباء وأنظمة الاتصالات وشبكات الاتصال وأجهزة المودم الملحقة قبل فتح أغطية الجهاز، مالم يتم طلب خلاف ذلك في التعليمات الخاصة بالتركيب والتوصيف.

قم بتوصيل وفصل الأسلاك كما هو موضح في الجدول التالي وذلك عند القيام بعمليات التركيب أو النقل أو فتح أغطية هذا المنتج أو الأجهزة الملحقة.

للتوصيل:	للفصل:
قم بإيقاف كل شيء.	قم بإيقاف كل شيء.
أولاً، قم بتوصيل كل الأسلاك بالأجهزة.	أولاً، قم بفصل كل أسلاك الكهرباء من المخرج.
قم بتوصيل أسلاك الإشارة في لموصلات.	قم بفصل أسلاك الإشارة من الموصلات.
قم بتوصيل أسلاك الكهرباء في المخارج.	قم بفصل كل الأسلاك من الأجهزة.
قم بتشغيل الجهاز.	



تنبيه :

عند استبدال البطارية الليثيوم، استخدم فقط رقم الجزء الخاص **Part Number 45C1566** أو نوع آخر يكون على نفس مستوى الكفاءة يحدده لك المصنع.

إذا كان النظام الخاص يستخدم معه بطارية ليثيوم قم باستبدالها بنفس النوع الذي تم صناعته من خلال نفس المصنع. تحتوي البطارية على مادة الليثيوم ويمكن أن تنفجر في حالة عدم استخدامها أو التعامل معها بطريقة صحيحة أو عند التخلص منها بطريقة خطأ.

لا تقم بـ:

- القاء البطارية أو غمرها في الماء
- تسخينها أعلى من ١٠٠ درجة مئوية و(٢١٢ ° فهرنهايت)
- بتصلبها أو فكها

تخلص من البطارية طبقاً للقانون أو النظام المحلي .



تنبيه :

أثناء تركيب منتجات ليزر (مثل CD-ROMs أو وحدة تشغيل DVD أو أجهزة Fiber Optic أو وحدات الإرسال) يجب مراعاة الآتي:

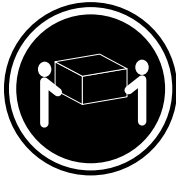
لا تنزع الأغطية. قد ينتج عن نزع أغطية منتج الليزر انفجار أشعة الليزر شديدة الخطورة.
لا يوجد أجزاء يمكن تغييرها داخل الجهاز. قد ينتج عن استخدام تحكمات أو تعديلات أو عمل أي تصرفات أخرى تخالف ما هو محدد هنا إلى انفجار أشعة شديدة الخطورة.



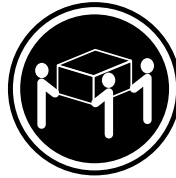
خطر

تحتوي بعض منتجات الليزر على الفئة دايود ليزر مدمج من الفئة Class 3A أو Class 3B. يجب مراعاة الآتي .

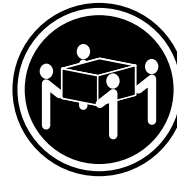
أشعة الليزر عند الفتح. لا تحقق إلى الإشعاع و لا تنظر إليه مباشرة بواسطة أي أجهزة مرئية وتجنب التعرض المباشر للإشعاع .



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

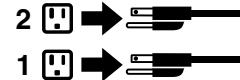
تنبيه :

يجب استخدام ممارسات آمنة عند الرفع



تنبيه :

لا يقر زر التحكم في التشغيل الموجود على الجهاز والمفتاح الكهربائي الموجود على لوحة التحكم بإيقاف التيار الكهربائي المار بالجهاز. قد يكون للجهاز أكثر من سلك كهربائي واحد. لإيقاف التيار الكهربائي المار بالجهاز، تأكد من فصل جميع أسلاك الكهرباء من مصدر الكهرباء .



PERIGO

A corrente elétrica proveniente de cabos de alimentação, de telefone e de comunicações é perigosa.

Para evitar risco de choque elétrico:

- Não conecte nem desconecte nenhum cabo ou execute instalação, manutenção ou reconfiguração deste produto durante uma tempestade com raios.
- Conecte todos os cabos de alimentação a tomadas elétricas corretamente instaladas e aterradas.
- Todo equipamento que for conectado a este produto deve ser conectado a tomadas corretamente instaladas.
- Quando possível, utilize apenas uma das mãos para conectar ou desconectar cabos de sinal.
- Nunca ligue nenhum equipamento quando houver evidência de fogo, água ou danos estruturais.
- Antes de abrir tampas de dispositivos, desconecte cabos de alimentação, sistemas de telecomunicação, redes e modems conectados, a menos que especificado de maneira diferente nos procedimentos de instalação e configuração.
- Conecte e desconecte os cabos conforme descrito na tabela apresentada a seguir ao instalar, mover ou abrir tampas deste produto ou de dispositivos conectados.

Para Conectar:	Para Desconectar:
1. DESLIGUE Tudo. 2. Primeiramente, conecte todos os cabos aos dispositivos. 3. Conecte os cabos de sinal aos conectores. 4. Conecte os cabos de alimentação às tomadas. 5. LIGUE os dispositivos.	1. DESLIGUE Tudo. 2. Primeiramente, remova os cabos de alimentação das tomadas. 3. Remova os cabos de sinal dos conectores. 4. Remova todos os cabos dos dispositivos.



CUIDADO:

Ao substituir a bateria de lítio, utilize apenas uma bateria com Número de Peça 45C1566 ou um tipo de bateria equivalente recomendado pelo Se o seu sistema possui um módulo com uma bateria de lítio, substitua-o apenas por um módulo do mesmo tipo e do mesmo fabricante. A bateria contém lítio e pode explodir se não for utilizada, manuseada ou descartada de maneira correta.

Não:

- Jogue ou coloque na água
- Aqueça a mais de 100°C (212°F)
- Conserte nem desmonte

Descarte a bateria conforme requerido pelas leis ou regulamentos locais.



PRECAUCIÓN:

Quando produtos a laser (como unidades de CD-ROMs, unidades de DVD-ROM, dispositivos de fibra ótica ou transmissores) estiverem instalados, observe o seguinte:

- Não remova as tampas. A remoção das tampas de um produto a laser pode resultar em exposição prejudicial à radiação de laser. Não existem peças que podem ser consertadas no interior do dispositivo.
- A utilização de controles ou ajustes ou a execução de procedimentos diferentes dos especificados aqui pode resultar em exposição prejudicial à radiação.

PERIGO

Alguns produtos a laser contêm diodo de laser integrado da Classe 3A ou da Classe 3B. Observe o seguinte:

Radiação a laser quando aberto. Não olhe diretamente para o feixe a olho nu ou com instrumentos ópticos e evite exposição direta ao feixe.



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

CUIDADO:

Utilize procedimentos de segurança para levantar equipamentos.



CUIDADO:

O botão de controle de alimentação do dispositivo e o botão para ligar/desligar da fonte de alimentação não desligam a corrente elétrica fornecida ao dispositivo. O dispositivo também pode ter mais de um cabo de alimentação. Para remover toda a corrente elétrica do dispositivo, assegure que todos os cabos de alimentação estejam desconectados da fonte de alimentação.



危险

电源、电话和通信电缆中的电流是危险的。

为避免电击危险：

- 请勿在雷电期间连接或断开任何电缆的连接，或者对本产品进行安装、维护或重新配置。
- 将所有电源线连接到正确连线 and 妥善接地的电源插座。
- 将所有要连接到该产品的设备连接到正确连线的插座。
- 如果可能，请仅使用一只手来连接或断开信号电缆的连接。
- 切勿在有火、水、结构损坏迹象的情况下开启任何设备。
- 在打开设备外盖之前请断开已连接的电源线、远程通信系统、网络和调制解调器，除非在安装和配置过程中另有说明。
- 当安装、移动或打开该产品或连接设备的外盖时，请按照下表所述来连接或断开电缆的连接。

要连接	要断开连接
1. 切断所有电源。 2. 首先将所有电缆连接到设备。 3. 将信号电缆连接到接口。 4. 将电源线连接到插座。 5. 开启设备。	1. 切断所有电源。 2. 首先从插座上拔出电源线。 3. 从接口上拔出信号电缆。 4. 从设备上拔出所有电缆。



警告：
更换锂电池时，请仅使用部件号为 45C1566 的电池或制造商推荐的同类电池。如果您的系统有包含锂电池的模块，请仅使用同一制造商生产的相同模块类型来替换该模块。该电池中含有锂，如果使用、操作或处理不当，可能会发生爆炸。

切勿：

- 投入或浸入水中
- 加热到 100 °C (212 °F) 以上
- 维修或拆卸

请按照当地法令或条例的要求处理电池。



警告：
安装激光产品（例如 CD-ROM、DVD-ROM 驱动器、光纤设备或发射设备）时，请注意以下声明：

- 请勿卸下外盖。卸下激光产品的外盖可能导致遭受激光辐射的危险。该设备内没有可维修的部件。
- 如果不按照此处指定的过程进行控制、调整或操作，则有可能导致遭受辐射的危险。



危险

某些激光产品包含嵌入式 3A 类或 3B 类激光二极管。请注意以下声明：

打开后有激光辐射。请勿注视光束，请勿直接用光学仪器查看，并请避免直接暴露在光束中。



≥18 千克 (37 磅)



≥32 千克 (70.5 磅)

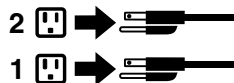


≥55 千克 (121.2 磅)

警告：
抬起时请采取安全措施。



警告：
设备上的电源控制按钮和电源上的电源开关不会切断供给该设备的电流。该设备还可能有多条电源线。要切断该设备的所有电流，请确保所有电源线都与电源断开连接。



危險

電源、電話及通訊纜線上的電流都具有危險性。

若要避免觸電危險：

- 請勿在雷雨期間，連接或拔除纜線、執行安裝、維護或重新配置本產品。
- 將所有電源線連接到正確配線及接地的電源插座。
- 任何與本產品連接的設備都必須連接到配線妥當的電源插座。
- 請盡可能用單手連接或拔除信號線。
- 發生火災、水災或結構損害時，絕對不要開啟任何設備。
- 除非在安裝及配置程序中另有指示，否則在開啟裝置機蓋之前，請拔掉連接的電源線、電信系統、網路及數據機。
- 安裝、移動或開啟本產品或附屬裝置的機蓋時，請遵循下列說明連接及拔掉纜線。

連線	切斷連線
1. 關閉所有開關。 2. 首先，連接所有接線到裝置。 3. 連接信號線到接頭。 4. 連接電源線到插座。 5. 開啟裝置。	1. 關閉所有開關。 2. 首先，拔掉插座上的電源線。 3. 拔掉接頭上的信號線。 4. 拔掉裝置上所有接線。



警告：

更換鋰電池時，請僅使用產品編號 **45C1566** 或製造商所建議的同類型電池。
如果您的系統中含有鋰電池模組，請僅使用同一家製造商所生產的相同模組進行更換。
如果未以正確方式使用、處理或棄置含鋰的電池，會有爆炸的危險。
請勿：

- 沾溼或浸入水中
 - 置於 **100°C (212°F)** 以上的高溫環境
 - 修理或拆開
- 請按照各地區有關廢棄電池的法令和規定處理舊電池。



警告：

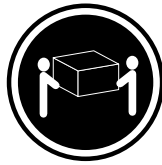
- 請勿移除機蓋。移除雷射產品的機蓋，可能會導致暴露在危險的雷射輻射中。裝置內部並無可自行維修的零件。
- 利用或執行非本文中所指定的控制、調整及執行程序，可能會導致危險的輻射外洩。



危險

部分雷射產品含有內嵌式 **Class 3A** 或 **Class 3B** 雷射二極體。請注意下列事項：
在開啟光碟機時，會發生雷射輻射。請勿直視光束或用光學儀器直接檢視，並避免直接暴露在光束中。

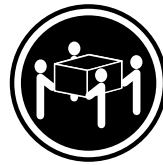




≥ 18 公斤 (37 磅)



≥ 32 公斤 (70.5 磅)

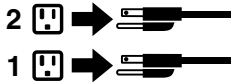


≥ 55 公斤 (121.2 磅)

警告：
搬運時請注意安全。



警告：
裝置上的電源控制按鈕及電源供應器上的電源開關，無法關閉裝置所產生的電流。
該裝置可能有多條電源線。若要除去裝置流出的所有電流，請確認已切斷所有電源線的電源。



DANGER

Le courant électrique provenant de l'alimentation, du téléphone et des câbles de transmission peut présenter un danger.

Pour éviter tout risque de choc électrique :

- Ne manipulez aucun câble et n'effectuez aucune opération d'installation, d'entretien ou de reconfiguration de ce produit au cours d'un orage.
- Branchez tous les cordons d'alimentation sur un socle de prise de courant correctement câblé et mis à la terre.
- Branchez sur des socles de prise de courant correctement câblés tout équipement connecté à ce produit.
- Lorsque cela est possible, n'utilisez qu'une seule main pour connecter ou déconnecter les câbles d'interface.
- Ne mettez jamais un équipement sous tension en cas d'incendie ou d'inondation, ou en présence de dommages matériels.
- Avant de retirer les carters de l'unité, mettez celle-ci hors tension et déconnectez ses cordons d'alimentation, ainsi que les câbles qui la relient aux réseaux, aux systèmes de télécommunication et aux modems (sauf instruction contraire mentionnée dans les procédures d'installation et de configuration).
- Lorsque vous installez, que vous déplacez, ou que vous manipulez le présent produit ou des périphériques qui lui sont raccordés, reportez-vous aux instructions ci-dessous pour connecter et déconnecter les différents cordons.

Connexion	Déconnexion
1. Mettez les unités HORS TENSION. 2. Commencez par brancher tous les cordons sur les unités. 3. Branchez les câbles d'interface sur des connecteurs. 4. Branchez les cordons d'alimentation sur des prises. 5. Mettez les unités SOUS TENSION.	1. Mettez les unités HORS TENSION. 2. Débranchez les cordons d'alimentation des prises. 3. Débranchez les câbles d'interface des connecteurs. 4. Débranchez tous les câbles des unités.



ATTENTION:

Remplacer la pile au lithium usagée par une pile de référence identique exclusivement, (référence 45C1566), ou suivre les instructions du fabricant qui en définit les équivalences. Si votre système est doté d'un module contenant une pile au lithium, vous devez le remplacer uniquement par un module identique, produit par le même fabricant. La pile contient du lithium et peut exploser en cas de mauvaise utilisation, de mauvaise manipulation ou de mise au rebut inappropriée.

Ne pas :

- la jeter à l'eau,
- l'exposer à des températures supérieures à 100°C,
- chercher à la réparer ou à la démonter.

Ne pas mettre la pile à la poubelle. Pour la mise au rebut, se reporter à la réglementation en vigueur.



ATTENTION:

Si des produits à laser (tels que des unités de CD-ROM, de DVD-ROM, des unités à fibres optiques, ou des émetteurs) sont installés, prenez connaissance des informations suivantes :

- Ne retirez pas le carter. En ouvrant l'unité de CD-ROM ou de DVD-ROM, vous vous exposez au rayonnement dangereux du laser. Aucune pièce de l'unité n'est réparable.
- Pour éviter tout risque d'exposition au rayon laser, respectez les consignes de réglage et d'utilisation des commandes, ainsi que les procédures décrites dans le présent manuel.



DANGER

Certains produits à laser contiennent une diode à laser intégrée de classe 3A ou 3B. Prenez connaissance des informations suivantes:

Rayonnement laser lorsque le carter est ouvert. Evitez toute exposition directe au rayon laser. Evitez de regarder fixement le faisceau ou de l'observer à l'aide d'instruments optiques.



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

ATTENTION:

Soulevez la machine avec précaution.



ATTENTION:

L'interrupteur de contrôle d'alimentation de l'unité et l'interrupteur dubloc d'alimentation ne coupent pas le courant électrique alimentant l'unité. En outre, le système peut être équipé de plusieurs cordons d'alimentation. Pour mettre l'unité hors tension, vous devez déconnecter tous les cordons de la source d'alimentation.



VORSICHT

An Netz-, Telefon- und Datenleitungen können gefährliche Spannungen anliegen.

Aus Sicherheitsgründen:

- Bei Gewitter an diesem Gerät keine Kabel anschließen oder lösen. Ferner keine Installations-, Wartungs- oder Rekonfigurationsarbeiten durchführen.
- Gerät nur an eine Schutzkontaktsteckdose mit ordnungsgemäß geerdetem Schutzkontakt anschließen.
- Alle angeschlossenen Geräte ebenfalls an Schutzkontaktsteckdosen mit ordnungsgemäß geerdetem Schutzkontakt anschließen.
- Die Signalkabel nach Möglichkeit einhändig anschließen oder lösen, um einen Stromschlag durch Berühren von Oberflächen mit unterschiedlichem elektrischem Potenzial zu vermeiden.
- Geräte niemals einschalten, wenn Hinweise auf Feuer, Wasser oder Gebäudeschäden vorliegen.

- Die Verbindung zu den angeschlossenen Netzkabeln, Telekommunikationssystemen, Netzwerken und Modems ist vor dem Öffnen des Gehäuses zu unterbrechen, sofern in den Installations- und Konfigurationsprozeduren keine anders lautenden Anweisungen enthalten sind.
- Zum Installieren, Transportieren und Öffnen der Abdeckungen des Computers oder der angeschlossenen Einheiten die Kabel gemäß der folgenden Tabelle anschließen und abziehen.

Zum Anschließen der Kabel gehen Sie wie folgt vor	Zum Abziehen der Kabel gehen Sie wie folgt vor
1. Schalten Sie alle Einheiten AUS. 2. Schließen Sie erst alle Kabel an die Einheiten an. 3. Schließen Sie die Signalkabel an die Buchsen an. 4. Schließen Sie die Netzkabel an die Steckdose an. 5. Schalten Sie die Einheit EIN.	1. Schalten Sie alle Einheiten AUS. 2. Ziehen Sie zuerst alle Netzkabel aus den Netzsteckdosen. 3. Ziehen Sie die Signalkabel aus den Buchsen. 4. Ziehen Sie alle Kabel von den Einheiten ab.



CAUTION:

Eine verbrauchte Lithiumbatterie nur durch eine Batterie mit der Teilenummer 45C1566 oder eine gleichwertige, vom Hersteller empfohlene Batterie ersetzen. Enthält das System ein Modul mit einer Lithiumbatterie, dieses nur durch ein Modul desselben Typs und von demselben Hersteller ersetzen. Die Batterie enthält Lithium und kann bei unsachgemäßer Verwendung, Handhabung oder Entsorgung explodieren.

Die Batterie nicht:

- mit Wasser in Berührung bringen.
- über 100 C erhitzen.
- reparieren oder zerlegen.

Die örtlichen Bestimmungen für die Entsorgung von Sondermüll beachten.



ACHTUNG:

Bei der Installation von Lasergeräten (wie CD-ROM-Laufwerken, DVD- aufwerken, Einheiten mit Lichtwellenleitertechnik oder Sendern) Folgendes beachten:

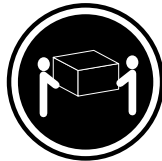
- Die Abdeckungen nicht entfernen. Durch Entfernen der Abdeckungen des Lasergeräts können gefährliche Laserstrahlungen freigesetzt werden. Das Gerät enthält keine zu wartenden Teile.
- Werden Steuerelemente, Einstellungen oder Durchführungen von Prozeduren anders als hier angegeben verwendet, kann gefährliche Laserstrahlung auftreten.



VORSICHT

Einige Lasergeräte enthalten eine Laserdiode der Klasse 3A oder 3B. Beachten Sie Folgendes:

Laserstrahlung bei geöffneter Verkleidung. Nicht in den Strahl blicken. Keine Lupen oder Spiegel verwenden. Strahlungsbereich meiden.



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

ACHTUNG:

Arbeitsschutzrichtlinien beim Anheben der Maschine beachten.



ACHTUNG:

Mit dem Netzschalter an der Einheit und am Netzteil wird die Stromversorgung für die Einheit nicht unterbrochen. Die Einheit kann auch mit mehreren Netzkabeln ausgestattet sein. Um die Stromversorgung für die Einheit vollständig zu unterbrechen, müssen alle zum Gerät führenden Netzkabel vom Netz getrennt werden.



סכנה

זרם חשמלי המועבר בכבלי חשמל, טלפון ותקשורת הוא מסוכן.

כדי להימנע מסכנת התחשמלות:

- אל תחברו או תנתקו כבלים, ואל תבצעו פעולת התקנה, תחזוקה או שינוי תצורה במוצר זה במהלך סופת ברקים.
- חברו את כל כבלי החשמל לשקע חשמל מחווט ומוארק כהלכה.
- חברו כל ציוד שיחובר למוצר זה לשקעי חשמל מחוטים כהלכה.
- במידת האפשר, השתמשו ביד אחת בלבד לחיבור או לניתוק של כבלי אותות.
- לעולם אל תפעילו ציוד כלשהו כאשר יש עדות לנזק מבני או לנזק כתוצאה מאש או ממים.
- נתקו את כבלי החשמל, מערכות התקשורת, התקני הרשת והמודמים המחוברים לפני פתיחת כיסויי ההתקן, אלא אם הליכי ההתקנה וקביעת התצורה מורים אחרת.
- בעת התקנה, העברה או פתיחת כיסויים במוצר זה או בהתקנים המחוברים, חברו ונתקו את הכבלים כמתואר בטבלה שלהלן.

כדי לחבר	כדי לנתק
1. כבו הכל.	1. כבו הכל.
2. ראשית, חברו את כל הכבלים להתקנים.	2. ראשית, נתקו את כבלי החשמל מהשקעים.
3. חברו את כבלי האותות למחברים.	3. נתקו את כבלי האותות מהמחברים.
4. חברו את כבלי החשמל לשקעים.	4. הסירו את כל הכבלים מההתקנים.
5. הפעילו את ההתקן.	



זהירות:

בעת החלפת סוללת הליתיום, השתמשו רק בסוללה בעלת מק"ט 45C1566 או בסוג תואם שהומלץ על ידי היצרן. אם המערכת כוללת מודול המכיל סוללת ליתיום, החליפו אותו רק במודול מאותו סוג ומתוצרת אותו יצרן. הסוללה מכילה ליתיום, ועלולה להתפוצץ אם לא משתמשים ומטפלים בה או משליכים אותה כראוי.

לעולם:

- אל תטבלו במים
 - אל תחממו לטמפרטורה הגבוהה מ-100°C (212°F)
 - אל תתקנו או תפרקו
- השליכו את הסוללה כנדרש לפי התקנות והחוקים המקומיים.



זהירות:

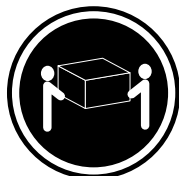
בעת התקנת מוצרי לייזר (כגון כונני תקליטורים ו-DVD, התקני סיב אופטי או משדרים), שימו לב לאזהרות הבאות:

- אל תסירו את הכיסויים. הסרת הכיסויים של מוצר הלייזר עלולה לגרום לחשיפה לקרינת לייזר מסוכנת. אין חלקים ברי טיפול בתוך ההתקן.
- שינויים, שימוש בבקורות או ביצוע הליכים אחרים מאלה המתוארים כאן, עלולים לגרום לחשיפה לקרינה מסוכנת.



סכנה

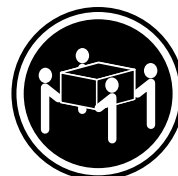
מוצרי ליזר מסוימים מכילים דיודת ליזר מסוג Class 3A או Class 3B. שימו לב לאזהרה הבאה:
כאשר הוא פתוח, המוצר פולט קרינת ליזר. אל תביטו ישירות בקרן, אל תביטו ישירות בעזרת ציוד אופטי, והימנעו מחשיפה לקרן.



$18 \leq$ ק"ג (37 ליב')



$32 \leq$ ק"ג (70.5 ליב')



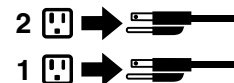
$55 \leq$ ק"ג (121.2 ליב')

זהירות:
השתמשו בהליכים
הנאותים בעת
הרמת הציוד.



זהירות:

לחצן ההפעלה של ההתקן ומתג ההפעלה של ספק החשמל אינם מפסיקים את זרם החשמל המסופק להתקן. בנוסף, ההתקן עשוי לכלול יותר מכבל חשמל אחד. כדי לסלק את כל הזרם החשמלי מההתקן, ודאו שכל כבלי החשמל מנותקים ממקור החשמל.



PERICOLO

La corrente elettrica proveniente dai cavi di alimentazione, del telefono e di comunicazione può essere pericolosa.

Per evitare il rischio di scosse elettriche:

- **Non collegare o scollegare qualsiasi cavo oppure effettuare l'installazione, la manutenzione o la riconfigurazione del prodotto durante un temporale.**
- **Collegare tutti i fili elettrici a una presa di alimentazione correttamente cablata e dotata di messa a terra.**
- **Collegare alle prese elettriche appropriate tutte le apparecchiature che verranno utilizzate per questo prodotto.**

- Se possibile, utilizzare solo una mano per collegare o scollegare i cavi di segnale.
- Non accendere assolutamente apparecchiature in presenza di incendi, perdite d'acqua o danno strutturale.
- Scollegare i cavi di alimentazione, i sistemi di telecomunicazione, le reti e il modem prima di aprire i coperchi del dispositivo, salvo istruzioni contrarie relative alle procedure di installazione e configurazione.
- Collegare e scollegare i cavi come descritto nella seguente tabella quando vengono effettuate operazioni di installazione, spostamento o apertura dei coperchi di questo prodotto o delle unità collegate.

Per collegarsi	Per scollegarsi
1. SPEGNERE le apparecchiature. 2. Innanzitutto, collegare tutti i cavi alle unità. 3. Collegare i cavi di segnale ai connettori. 4. Collegare i cavi di alimentazione alla presa. 5. Accendere l'unità.	1. SPEGNERE le apparecchiature. 2. Innanzitutto, rimuovere i cavi di alimentazione dalla presa. 3. Rimuovere i cavi di segnale dai connettori. 4. Rimuovere tutti i cavi dalle unità.



ATTENZIONE:

Quando si sostituisce la batteria al litio, utilizzare solo il Numero parte 45C1566 o un tipo di batteria equivalente consigliato dal produttore. Se sul sistema è presente un modulo che contiene una batteria al litio, sostituirlo solo con un tipo di modulo dello stesso tipo della stessa casa di produzione. La batteria contiene litio e può esplodere se usata, maneggiata o smaltita in modo non corretto.

Non:

- Gettare o immergere la batteria nell'acqua
- Riscaldarla ad una temperatura superiore ai 100 gradi C (212 gradi F)
- Smontarla, ricaricarla o tentare di ripararla

Le batterie usate vanno smaltite in accordo alla normativa in vigore (DPR 915/82 e successive disposizioni e disposizioni locali).



ATTENZIONE:

Quando vengono installati prodotti laser (quali CD-ROM, unità DVD-ROM, unità a fibre ottiche o trasmettenti), tener presente quanto segue:

- Non rimuovere gli sportelli. L'apertura di un'unità laser può determinare l'esposizione a radiazioni laser pericolose. All'interno dell'unità non vi sono parti su cui effettuare l'assistenza tecnica.
- L'utilizzo di controlli, regolazioni o l'esecuzione di procedure non descritti nel presente manuale possono provocare l'esposizione a radiazioni pericolose.



PERICOLO

Alcune unità laser contengono un diodo laser di Classe 3A o Classe 3B. Tener presente quanto segue:

Aperto l'unità vengono emesse radiazioni laser. Non fissare il fascio, non guardarlo direttamente con strumenti ottici ed evitare l'esposizione al fascio.



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

ATTENZIONE:

Prestare attenzione nel sollevare l'apparecchiatura.



ATTENZIONE:

Il pulsante di controllo dell'alimentazione presente sull'unità e l'interruttore dell'alimentatore non disattivano l'alimentazione corrente fornita all'unità. E' possibile che l'unità disponga di più cavi di alimentazione. Per disattivare l'alimentazione dall'unità, accertarsi che tutti i cavi di alimentazione siano scollegati dalla fonte di alimentazione.



위험

전원, 전화, 통신 케이블의 전류는 위험합니다.

감전의 위험을 피하려면 다음과 같이 하십시오.

- 번개가 치는 날에는 케이블을 연결 또는 분리하거나 본 제품을 설치, 보수, 재구성하지 마십시오.
- 모든 전원 코드는 올바르게 접지된 전기 콘센트에 연결하십시오.
- 본 제품에 연결될 장치는 올바르게 배선된 콘센트에 연결하십시오.
- 신호 케이블을 연결 또는 분리할 때 가능하면 한 손만을 사용하십시오.
- 불 또는 물로 인한 손상이나 구조적인 손상이 있을 경우 장치의 전원을 절대 켜지 마십시오.
- 설치 및 구성 과정에 별도의 지시 사항이 없는 경우, 장치의 덮개를 열기 전에 연결된 전원 코드, 원격 통신 시스템, 네트워크, 모뎀을 분리하십시오.
- 본 제품이나 연결된 장치를 설치, 이동하거나 덮개를 열 때 다음 표와 같은 순서로 케이블을 연결하거나 분리하십시오.

연결할 때:	분리할 때:
1. 모든 장치의 전원을 끄십시오. 2. 먼저 모든 케이블을 장치에 연결하십시오. 3. 커넥터에 신호 케이블을 연결하십시오. 4. 콘센트에 전원 코드를 연결하십시오. 5. 장치의 전원을 켜십시오.	1. 모든 장치의 전원을 끄십시오. 2. 먼저 콘센트에서 전원 코드를 분리하십시오. 3. 커넥터에서 신호 케이블을 분리하십시오. 4. 장치에서 모든 케이블을 분리하십시오.



주의:

배터리를 교환할 때는 Part Number 45C1566 또는 제조업체에서 지정한 동일한 종류의 제품을 사용하십시오. 사용자의 시스템이 리튬 배터리를 포함하는 모듈일 경우, 동일한 제조업체에서 동일한 모듈 유형으로 생산된 제품으로 교체하십시오. 배터리에는 리튬이 함유되어 있어 잘못 사용, 취급 또는 폐기할 경우 폭발의 위험이 있습니다.

사고를 방지하려면 다음 사항을 준수하십시오.

- 배터리를 물 속에 던지거나 침수시키지 마십시오.
- 100°C (212°F) 이상 가열하지 마십시오.
- 수리하거나 분해하지 마십시오.

배터리를 폐기할 때는 법령 또는 회사의 안전 수칙에 따라 폐기하십시오.



주의:

CD-ROM, DVD-ROM 장치, 광섬유 장치 또는 송신 장치와 같은 레이저 제품을 설치할 때, 다음과 같은 취급 주의사항을 참고하십시오.

- 덮개를 열지 마십시오. 덮개를 열면 레이저 복사 에너지에 노출될 위험이 있습니다. 장치 내부에는 사용자가 조정하거나 수리할 수 있는 부품이 없습니다.
- 규정된 것 이외의 절차 수행, 제어 조정 등의 행위로 인해 해로운 레이저 복사에 노출될 수 있습니다.



위험

일부 장비에는 임베디드 클래스 3A 또는 클래스 3B 레이저 다이오드가 있습니다. 다음 주의사항에 유의하십시오.

드라이브가 열리면 레이저 복사 에너지가 방출됩니다. 광선이 눈에 직접 쏘이지 않도록 하십시오. 나안 또는 광학 기구를 착용한 상태에서 광선을 직접 바라보지 않도록 하십시오.



≥ 18 kg (37 lbs)



≥ 32 kg (70.5 lbs)



≥ 55 kg (121.2 lbs)

주의:
제품을 들어 올릴 때
안전 규제를 따르십시오.



주의:
장치의 전원 제어 버튼 및 전원 공급 장치의 전원 스위치를 사용하여 장치에 공급되는 전기를 차단하지 마십시오.
장치는 둘 이상의 코드를 가지고 있을 수 있습니다. 장치에서 모든 전원을 차단하려면 콘센트에서 코드가 모두
분리되어 있는지 확인하십시오.



PELIGRO

La corriente eléctrica procedente de cables de alimentación, teléfonos y cables de comunicación puede ser peligrosa.

Para evitar el riesgo de descarga eléctrica:

- No conecte ni desconecte los cables ni realice ninguna tarea de instalación, mantenimiento o reconfiguración de este producto durante una tormenta eléctrica.
- Conecte todos los cables de alimentación a tomas de corriente debidamente cableadas y conectadas a tierra.
- Cualquier equipo que se conecte a este producto también debe conectarse a tomas de corriente debidamente cableadas.
- Siempre que sea posible, utilice una sola mano para conectar o desconectar los cables de señal.
- No encienda nunca un equipo cuando hay señales de fuego, agua o daños estructurales.

- **Desconecte los cables de alimentación, los sistemas de telecomunicaciones, las redes y los módems conectados antes de abrir las cubiertas de los dispositivos, a menos que se indique lo contrario en los procedimientos de instalación y configuración.**
- **Conecte y desconecte los cables, como se describe en la tabla siguiente, cuando instale, mueva o abra las cubiertas de este producto o de los dispositivos conectados.**

Para conectar	Para desconectar
1. APÁGUELO todo. 2. En primer lugar, conecte todos los cables a los dispositivos. 3. Conecte los cables de señal a los conectores. 4. Enchufe los cables de alimentación a las tomas de corriente. 5. Encienda el dispositivo.	1. APÁGUELO todo. 2. En primer lugar, desenchufe los cables de alimentación de las tomas de corriente. 3. Desconecte los cables de señal de los conectores. 4. Desconecte todos los cables de los dispositivos.



PRECAUCIÓN:

Quando substitua uma bateria de lítio, utilize somente uma bateria número de peça 45C1566 u outra de tipo equivalente recomendada por el fabricante. Si su sistema dispone de un módulo que contiene una batería de litio, reemplácelo sólo con el mismo tipo de módulo, del mismo fabricante. La batería contiene litio y puede explotar si no se utiliza, manipula o desecha correctamente.

No debe:

- Arrojarla al agua o sumergirla en ella
- Exponerla a temperaturas superiores a 100°C (212°F)
- Repararla o desmontarla

Deshágase de la batería según especifiquen las leyes o normas locales.



PRECAUCIÓN:

Quando haya productos láser (como unidades de CD-ROM, unidades de DVD, dispositivos de fibra óptica o transmisores) instalados, tenga en cuenta lo siguiente:

- No quite las cubiertas. Si quita las cubiertas del producto láser, podría quedar expuesto a radiación láser peligrosa. Dentro del dispositivo no existe ninguna pieza que requiera servicio técnico.
- Si usa controles o ajustes o realiza procedimientos que no sean los especificados aquí, podría exponerse a radiaciones peligrosas.



PELIGRO

Algunos productos láser tienen incorporado un diodo láser de clase 3A o clase 3B. Tenga en cuenta lo siguiente:

Cuando se abre, queda expuesto a radiación láser. No mire directamente al rayo láser, ni siquiera con instrumentos ópticos, y evite exponerse directamente al rayo láser.



≥18 kg (37 lbs)



≥32 kg (70.5 lbs)



≥55 kg (121.2 lbs)

PRECAUCIÓN:

Adopte procedimientos seguros al levantar el equipo.



PRECAUCIÓN:

El botón de control de alimentación del dispositivo y el interruptor de alimentación de la fuente de alimentación no desconectan la corriente eléctrica suministrada al dispositivo. Además, el dispositivo podría tener más de un cable de alimentación. Para suprimir toda la corriente eléctrica del dispositivo, asegúrese de que todos los cables de alimentación estén desconectados de la toma de corriente.



Chapter 3. General information

This chapter provides general information that applies to all machine types supported by this publication.

The ThinkVantage Productivity Center program

Use the ThinkVantage® Productivity Center program for general information about the use, operation, and maintenance of the computer. The ThinkVantage Productivity Center program also contains information to help solve problems and get repair service or other technical assistance. The ThinkVantage Productivity Center program is preinstalled on most ThinkCentre products.

Additional information resources

If you have Internet access, the most up-to-date information for your computer is available from the World Wide Web.

You can find the following information:

- CRU removal and installation instructions
- Publications
- Troubleshooting information
- Parts information
- Downloads and drivers
- Links to other useful sources of information

To access this information, go to <http://www.lenovo.com/support/>.

Specifications

This section lists the physical specifications for your computer.

This section lists the physical specifications.

For all machine types

Environment

- Air temperature:
 - Operating: 10° to 35°C (50° to 95°F)
 - Non-operating: 10° to 60°C (50° to 140°F)
- Humidity:
 - Operating: 10% to 80% (10% per hour, non condensing)
 - Non-operating: 10% to 90% (10% per hour)
 - Transit: 0% to 90% (10% per hour)
- Maximum altitude:
 - Operating: -50 to 10,000 ft (-15.2 to 3048 m)
 - Non-operating: -50 to 35,000 ft (-15.2 to 10,668)

Electrical input

- Input voltage:
 - Low range:
 - Minimum: 100 V ac
 - Maximum: 127 V ac
 - Input frequency range: 50/60 Hz
 - Voltage switch setting: 115 V ac
 - High range:
 - Minimum: 200 V ac
 - Maximum: 240 V ac
 - Input frequency range: 50/60 Hz
 - Voltage switch setting: 230 V ac

Types 7258, 7260, 7268, 7270, 7280, 7296, 7298, 7304, 7307, 7413, 7491, and 7508

This section lists the physical specifications for your computer.

Dimensions

Width: 175 mm (6.9 inches)
Height: 402 mm (15.8 inches)
Depth: 440 mm (17.3 inches)

Weight

Maximum configuration as shipped: 11.2 kg (24.7 lbs)

Types 7259, 7267, 7269, 7279, 7297, 7303, 7306, 7487, 7506, and 7514

This section lists the physical specifications.

Dimensions

Width: 317 mm (12.48 inches)

Height: 99 mm (3.90 inches)

Depth: 355 mm (13.98 inches)

Weight

Maximum configuration as shipped: 7.5 kg (16.53 lbs)

Chapter 4. General Checkout

Attention

The drives in the computer you are servicing might have been rearranged or the drive startup sequence changed. Be extremely careful during write operations such as copying, saving, or formatting. Data or programs can be overwritten if you select an incorrect drive.

General error messages appear if a problem or conflict is found by an application program, the operating system, or both. For an explanation of these messages, refer to the information supplied with that software package.

Before replacing any FRUs, ensure that the latest level of BIOS is installed on the system. A down-level BIOS might cause false errors and unnecessary replacement of the system board. For more information on how to determine and obtain the latest level BIOS, see “BIOS levels” on page 521.

Use the following procedure to help determine the cause of the problem:

1. Power-off the computer and all external devices.
2. Check all cables and power cords.
3. Set all display controls to the middle position.
4. Power-on all external devices.
5. Power-on the computer.
 - Look for displayed error codes
 - Listen for beep codes
 - Look for readable instructions or a main menu on the display.If you **did not** receive the correct response, proceed to step 6 on page 33.
If you **do** receive the correct response, proceed to step 7 on page 33.
6. Look at the following conditions and follow the instructions:
 - If you hear beep codes during POST, go to “Beep symptoms” on page 61.
 - If the computer displays a POST error, go to “POST error codes” on page 62.
 - If the computer hangs and no error is displayed, continue at step 7 on page 33.
7. Run the Diagnostic programs. See Chapter 5 “Diagnostics” on page 35.
 - If you receive an error, replace the part that the diagnostic program calls out or go to “Diagnostic error codes” on page 44.
 - If the test stops and you cannot continue, replace the last device tested.

Problem determination tips

Due to the variety of hardware and software combinations that can be encountered, use the following information to assist you in problem determination. If possible, have this information available when requesting assistance from Service Support and Engineering functions.

- Machine type and model
- Processor or hard disk upgrades
- Failure symptom
 - Do diagnostics indicate a failure?
 - What, when, where, single, or multiple systems?
 - Is the failure repeatable?

- Has this configuration ever worked?
 - If it has been working, what changes were made prior to it failing?
 - Is this the original reported failure?
- Diagnostics version
 - Type and version level
- Hardware configuration
 - Print (print screen) configuration currently in use
 - BIOS level
- Operating system software
 - Type and version level

Notes: To eliminate confusion, identical systems are considered identical only if they:

1. Are the exact machine type and models
2. Have the same BIOS level
3. Have the same adapters/attachments in the same locations
4. Have the same address jumpers/terminators/cabling
5. Have the same software versions and levels
6. Have the same Diagnostic Diskettes (version)
7. Have the same configuration options set in the system
8. Have the same setup for the operating system control files

Comparing the configuration and software set-up between “working and non-working” systems will often lead to problem resolution.

Chapter 5. Diagnostics

Diagnostic programs are used to test hardware components of your computer and report operating-system-controlled settings that can cause hardware failures. There are two diagnostic programs preinstalled on your computer:

- Lenovo System Toolbox (used when the Windows operating system is running)
 - PC-Doctor for Windows PE (used when the Windows operating system does not start)
1. You can also download the latest version of the Lenovo System Toolbox and PC-Doctor for DOS diagnostic programs from <http://www.lenovo.com/support/>.
 2. If you are unable to isolate and repair the problem yourself after you run the Lenovo System Toolbox and PC-Doctor for Windows PE, save and print the log files created by both diagnostic programs. You will need the log files when you speak to a Lenovo technical support representative.

Lenovo System Toolbox

The Lenovo System Toolbox is a diagnostic program that works through the Windows operating system and enables you to view symptoms and solutions for computer problems, access the Lenovo troubleshooting center, update system drivers, and review system information.

To run the Lenovo System Toolbox, click **Start → All Programs → Lenovo Services → Lenovo System Toolbox**. Follow the instructions on the screen. For additional information about running the diagnostic program, refer to the Lenovo System Toolbox help system.

If you still suspect a problem after Lenovo System Toolbox runs successfully, run PC-Doctor for Windows PE to help you diagnose the computer problem.

The Lenovo System Toolbox also has problem determination aids that determine software and usage problems.

PC-Doctor for Windows PE

The PC-Doctor for Windows PE diagnostic program is part of the Rescue and Recovery workspace on each Lenovo computer. Use PC-Doctor for Windows PE if you are unable to start the Windows operating system or if Lenovo System Toolbox has not been successful in isolating a possible problem.

Running diagnostics from the Rescue and Recovery workspace

You can run the PC-Doctor for Windows PE diagnostic program from the Rescue and Recovery workspace. To run diagnostics from the Rescue and Recovery workspace, do the following:

1. Shut down the operating system and turn off the computer.
2. Repeatedly press and release the F11 key when you turn on the computer.
3. When you hear beeps or see a logo screen, stop pressing the F11 key. The Rescue and Recovery workspace opens.
4. From the Rescue and Recovery workspace, select **Launch Advanced Rescue and Recovery → Diagnose hardware**.
5. The diagnostic program opens automatically. Select the diagnostic test you want to run. Press the F1 key for additional help.
6. Follow the instructions on the screen.

PC-Doctor for DOS

You can also download the latest version of the PC-Doctor for DOS diagnostic program from: <http://www.lenovo.com/support> The PC-Doctor for DOS diagnostic program runs independently of the Windows operating system. Use PC-Doctor for DOS, if you are unable to start the Windows operating system or if Lenovo System Toolbox and PC-Doctor for Windows PE have not been successful in isolating a possible problem. You can run PC-Doctor for DOS from a diagnostic CD/DVD image that you create.

Creating a diagnostic CD/DVD image

To create a diagnostic CD/DVD image, download a self-starting bootable CD/DVD image (known as an ISO image) of the diagnostic program from <http://www.lenovo.com/support> After you download the image, you can create the CD/DVD using any CD/DVD burning software.

Running diagnostics from the disc

To run diagnostics from the diagnostic CD/DVD image that you created, do the following:

1. Make sure the computer is turned off.
2. Insert the disc into the optical drive.
3. Restart the computer.

Note: If the diagnostic program does not start, you might not have your optical drive set as a startable device. See “Selecting a startup device” on page 41 for instructions on how to change the startup device.

4. When the diagnostics program opens, follow the instructions on the screen.
5. When the program finishes, be sure to remove the disc from the drive.
6. Select the diagnostic test you want to run. Press the F1 key for additional help.

Navigating through the diagnostics programs

Use the cursor movement keys to navigate within the menus.

- The **Enter** key is used to select a menu item.
- The **Esc** key is used to back up to the previous menu.
- For online help select **F1**.

Running tests

There are four ways to run the diagnostic tests.

- Using the cursor movement keys, highlight **Run Normal Test** or **Run Quick Test** from the Diagnostics menu and then press **Enter**. This automatically runs a pre-defined group of tests from each test category. **Run Normal Test** runs a more extensive set of tests than does **Run Quick Test** and takes longer to complete.
- Press **F5** to automatically run all selected tests in all categories.
- From within a test category, press **Ctrl-Enter** to automatically run only the selected tests in that category.
- Using the cursor movement keys, highlight a single test within a test category, and then press **Enter**. This runs only that test.

Press **Esc** at any time to stop the testing process.

Test results (N/A, PASSED, FAILED, ABORTED) are displayed in the field beside the test description and in the test log. See “Viewing the test log” on page 38.

To select one or more tests, use the following procedure.

1. Open the corresponding test category.
2. Using the cursor movement keys, highlight the desired test.
3. Press the space bar. A selected test is marked by >>. Pressing the space bar again de-selects a test and removes the >>.
4. Repeat steps 2 and 3 above to select all desired tests.

Test results

Diagnostics test results produce the following error code format:

Function Code	Failure Type	DeviceID	Date	ChkDigits	Text
---------------	--------------	----------	------	-----------	------

- **Function Code:**
Represents the feature or function within the PC.
- **Failure Type:**
Represents the type of error encountered.
- **DeviceID:**
Contains the component's unit-ID which corresponds to either a fixed disk drive, removable media drive, serial or parallel port, processor, specific RIMM, or a device on the PCI bus.
- **Date:**
Contains the date when the diagnostic test was run. The date is retrieved from CMOS and displayed using the YYYYMMDD format.
- **ChkDigits:**
Contains a 2-digit check-digit value to ensure the following:
 - Diagnostics were run on the specified date.
 - Diagnostics were run on the specified computer.
 - The diagnostic error code is recorded correctly.
- **Text:**
Description of the error.

Note: See “Diagnostic error codes” on page 44 for error code listings.

Quick and Full erase - hard drive

The diagnostics program offers two hard drive format utilities:

- Quick Erase Hard Drive
- Full Erase Hard Drive

The Quick Erase Hard Drive provides a DOS utility that performs the following:

- Destroys the Master Boot Record (MBR) on the hard drive.
- Destroys all copies of the FAT Table on all partitions (both the master and backup).
- Destroys the partition table.
- Provides messages that warn the user that this is a non-recoverable process.

The Full Erase Hard Drive provides a DOS utility that performs the following:

- Performs all the steps in Quick Erase.
- Provides a DOS utility that writes random data to all sectors of the hard drive.
- Provides an estimate of time to completion along with a visual representation of completion status.
- Provides messages that warn the user about non-recoverable process.

Important: Make sure that all data is backed up before using the Quick or Full Erase functions.
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To select the Quick Erase or Full Erase Hard Drive utility, use the following procedure:

1. Select the UTILITY option on the toolbar and press **Enter**.
2. Select either the QUICK ERASE or FULL ERASE HARD DISK option and follow the instructions.

Viewing the test log

Errors reported by the diagnostic test will be displayed by the program as a failed test.

To view details of a failure or to view a list of test results, use the following procedure from any test category screen:

1. Press **F3** to activate the log file.
2. Press **F3** again to save the file to diskette or press **F2** to print the file.

Chapter 6. Using the Setup Utility

The Setup Utility program is used to view and change the configuration settings of the computer, regardless of which operating system you are using. However, the operating-system settings might override any similar settings in the Setup Utility program.

Starting the Setup Utility program

To start the Setup Utility program, do the following:

1. If the computer is already on when you start this procedure, shut down the operating system and turn off the computer.
2. Press and hold the F1 key then turn on the computer. When you hear multiple beeps, release the F1 key.
 - a. If you are using a USB keyboard and the Setup Utility program does not display using this method, repeatedly press and release the F1 key rather than leaving it pressed when turning on the computer.
 - b. If a Power-On Password (POP) or a Privileged Access Password (PAP) has been set, the Setup Utility program menu is not displayed until you type your password. For more information, see “Using passwords” on page 39.

The Setup Utility might start automatically when POST detects that hardware has been removed or new hardware has been installed in the computer.

Viewing and changing settings

The Setup Utility program menu lists items that identify system configuration topics. To view or change settings, see “Starting the Setup Utility program” on page 39.

When working with the Setup Utility program menu, you must use the keyboard. The keys used to perform various tasks are displayed at the bottom of each screen.

Using passwords

By using the Setup Utility program, you can set passwords to prevent unauthorized persons from gaining access to the computer and data. See “Starting the Setup Utility program” on page 39. The following types of passwords are available:

- Power-On Password
- Privileged Access Password

You do not have to set any passwords to use the computer. However, if you decide to set any passwords, read the following sections.

Password considerations

A password can be any combination of up to 16 (1 to 16) alphabetic and numeric characters. For security reasons, it is recommended to use a strong password that cannot be easily compromised. To set a strong password, use the following guidelines:

- Have at least eight characters in length
- Contain at least one alphabetic character and one numeric character
- Setup Utility program and hard disk drive passwords are not case sensitive

- Not be your name or your user name
- Not be a common word or a common name
- Be significantly different from your previous password

Power-On Password

When a Power-On Password is set, the computer cannot be used until a valid password is typed in.

Privileged Access Password

When a Privileged Access Password is set, it deters unauthorized people from changing configuration settings. If you are responsible for maintaining the settings of several computers, you might want to set a Privileged Access Password.

After you set a Privileged Access Password, a password prompt is displayed each time you try to access the Setup Utility program.

If both the Power-On Password and Privileged Access Password are set, you can type either password. However, to change any configuration settings, you must use your Privileged Access Password.

Setting, changing, and deleting a password

To set, change, or delete a password, do the following:

Note: A password can be any combination of up to 16 (1 to 16) alphabetic and numeric characters. For more information, see “Password considerations” on page 39.

1. Start the Setup Utility program. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39.
2. From the Setup Utility program menu, select **Security** → **Set Power-On Password** or **Set Privileged Access Password**.
3. Read the information displayed on the right side of the screen.

Enabling or disabling a device

This section provides information on how to enable or disable user access to the following devices:

SATA Controller

When this feature is set to **Disabled**, all devices connected to the SATA controller (such as hard disk drives or the optical drive) are disabled and will not be displayed in the system configuration.

Floppy A

When this feature is set to **Disabled**, the diskette drive cannot be accessed.

To set SATA Controller, do the following:

1. Start the Setup Utility program. See “Starting the Setup Utility program” on page 39.
2. From the Setup Utility program menu, select **Devices** → **ATA Drives Setup** → **SATA Controller**.
3. Select the desired devices and settings and press Enter.
4. Return to the Setup Utility program menu and select **Exit** → **Save Changes and Exit**.

Note: If you do not want to save the settings, select **Discard Changes and Exit** or **Discard Changes**.

To set Floppy A, do the following:

1. Start the Setup Utility program. See “Starting the Setup Utility program” on page 39.
2. From the Setup Utility program menu, select **Devices** → **Floppy Drive Setup** → **Floppy A**.
3. Select the desired devices and settings and press Enter.

4. Return to the Setup Utility program menu and select **Exit** → **Save Changes and Exit**.

Note: If you do not want to save the settings, select **Discard Changes and Exit**.

Selecting a startup device

If your computer does not start up from a device such as the disc, diskette, or hard disk drive as expected, use one of the following procedures to select a startup device.

Selecting a temporary startup device

Use this procedure to start up from any start device.

Note: Not all discs, hard disk drives, and diskettes are bootable.

1. Turn off your computer.
2. Press and hold the F12 key, and then turn on the computer. When the Please select boot device window displays, release the F12 key.

Note: If you are using a USB keyboard and the Please select boot device window does not display using this method, repeatedly press and release the F12 key rather than leaving it pressed when turning on the computer.

3. Select the desired startup device from the boot device list and press Enter to begin.

Note: Selecting a startup device from the Please select boot device window does not permanently change the startup sequence.

Selecting or changing the startup device sequence

To view or permanently change the configured startup device sequence, do the following:

1. Start the Setup Utility program. See “Starting the Setup Utility program” on page 39.
2. Select **Startup**.
3. See the information displayed on the right side of the screen.
4. Select the devices for the Primary Startup Sequence, the Automatic Startup Sequence, and the Error Startup Sequence.
5. Select **Exit** from the Setup Utility menu and then **Save Changes and Exit**.

If you have changed these settings and want to return to the default settings, select **Load Optimal Settings** from the **Exit** menu.

Advanced settings

On some computer models, the **Advanced** menu includes a setting to enable or disable HyperThreading. This feature works only with HyperThreading-aware operating systems, such as Windows Vista and Windows XP. The default setting for HyperThreading is **Enabled**. However, if you select **Set Defaults** and are using an operating system other than Windows Vista or Windows XP, your computer performance might be degraded. Therefore, you should always set HyperThreading to **Disabled** unless you are sure your operating system supports HyperThreading.

Exiting from the Setup Utility program

After you finish viewing or changing settings, press Esc to return to the Setup Utility program menu (you might have to press Esc several times). If you want to save the new settings, select **Exit** → **Save Changes and Exit**. Otherwise, your changes will not be saved.

Chapter 7. Symptom-to-FRU Index

The Symptom-to-FRU index lists error symptoms and possible causes. The most likely cause is listed first. Always begin with Chapter 4 “General Checkout” on page 33. This index can also be used to help you decide which FRUs to have available when servicing a computer. If you are unable to correct the problem using this index, go to “Undetermined problems” on page 65.

Notes:

- If you have both an error message and an incorrect audio response, diagnose the error message first.
- If you cannot run the diagnostic tests or you get a diagnostic error code when running a test, but did receive a POST error message, diagnose the POST error message first.
- If you did not receive any error message, look for a description of your error symptoms in the first part of this index.

Hard disk drive boot error

A hard disk drive boot error (error codes 1962 and I999030X) can have the following causes.

Error	FRU/Action
The start-up drive is not in the boot sequence in configuration.	Check the configuration and ensure the start-up drive is in the boot sequence.
No operating system installed on the boot drive.	Install an operating system on the boot drive.
The boot sector on the start-up drive is corrupted.	The drive must be formatted, do the following: 1. Attempt to back-up the data on the failing hard disk drive. 2. Using the operating systems programs, format the hard disk drive.
The drive is defective.	Replace the hard disk drive.

Power Supply Problems

If you suspect a power problem, use the following procedures.

Check/Verify	FRU/Action
Check the following for proper installation. • Power Cord • On/Off Switch connector • On/Off Switch Power Supply connector • System Board Power Supply connectors • Microprocessor(s) connection	Reseat connectors
Check the power cord for continuity.	Power Cord
Check the power-on switch for continuity.	Power-on Switch

Diagnostic error codes

Refer to the following diagnostic error codes when using the diagnostic tests. See “Running tests” on page 36 for the specific type for information about the Diagnostic programs.

In the following index, X can represent any number.

Diagnostic Error Code	FRU/Action
000-000-XXX BIOS Test Passed	No action
000-002-XXX BIOS Timeout	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-024-XXX BIOS Addressing test failure	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-025-XXX BIOS Checksum Value error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-026-XXX FLASH data error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-027-XXX BIOS Configuration/Setup error	1. Run Setup 2. Flash the system. See “Flash update procedures” on page 521 3. System board
000-034-XXX BIOS Buffer Allocation failure	1. Reboot the system 2. Flash the system. See “Flash update procedures” on page 521 3. Run memory test 4. System board
000-035-XXX BIOS Reset Condition detected	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-036-XXX BIOS Register error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-038-XXX BIOS Extension failure	1. Flash the system. See “Flash update procedures” on page 521 2. Adapter card 3. System board
000-039-XXX BIOS DMI data error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-195-XXX BIOS Test aborted by user	Information only Restart the test, if necessary
000-196-XXX BIOS test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file

Diagnostic Error Code	FRU/Action
000-197-XXX BIOS test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
000-198-XXX BIOS test aborted	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and retest. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
000-199-XXX BIOS test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test 3. Replace component under function test
000-250-XXX BIOS APM failure	1. Flash the system. See “Flash update procedures” on page 521 2. System board
000-270-XXX BIOS ACPI failure	1. Flash the system. See “Flash update procedures” on page 521 2. System board
001-000-XXX System Test Passed	No action
001-00X-XXX System Error	System board
001-01X-XXX System Error	System board
001-024-XXX System Addressing test failure	System board
001-025-XXX System Checksum Value error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
001-026-XXX System FLASH data error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
001-027-XXX System Configuration/Setup error	1. Run Setup 2. Flash the system. See “Flash update procedures” on page 521 3. System board
001-032-XXX System Device Controller failure	System board
001-034-XXX System Device Buffer Allocation failure	1. Reboot the system 2. Flash the system. See “Flash update procedures” on page 521 3. Run memory test 4. System board
001-035-XXX System Device Reset condition detected	System board

Diagnostic Error Code	FRU/Action
001-036-XXX System Register error	System board
001-038-XXX System Extension failure	1. Adapter card 2. System board
001-039-XXX System DMI data structure error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
001-040-XXX System IRQ failure	1. Power-off/on system and re-test 2. System board
001-041-XXX System DMA failure	1. Power-off/on system and re-test 2. System board
001-195-XXX System Test aborted by user	Information only Restart the test, if necessary
001-196-XXX System test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
001-197-XXX System test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
001-198-XXX System test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and retest. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
001-199-XXX System test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test 3. Replace component under function test
001-250-XXX System ECC error	System board
001-254-XXX 001-255-XXX 001-256-XXX 001-257-XXX System DMA error	System board
001-260-XXX 001-264-XXX System IRQ error	System board
001-268-XXX System IRQ1 failure	1. Device on IRQ1 2. System board
001-269-XXX System IRQ2 failure	1. Device on IRQ2 2. System board
001-270-XXX System IRQ3 failure	1. Device on IRQ3 2. System board
001-271-XXX System IRQ4 failure	1. Device on IRQ4 2. System board

Diagnostic Error Code	FRU/Action
001-272-XXX System IRQ5 failure	1. Device on IRQ5 2. System board
001-273-XXX System IRQ6 (diskette drive) failure	1. Diskette Cable 2. Diskette drive 3. System board
001-274-XXX System IRQ7 failure	1. Device on IRQ7 2. System board
001-275-XXX System IRQ8 failure	1. Device on IRQ8 2. System board
001-276-XXX System IRQ9 failure	1. Device on IRQ9 2. System board
001-277-XXX System IRQ10 failure	1. Device on IRQ10 2. System board
001-278-XXX System IRQ11 failure	1. Device on IRQ11 2. System board
001-279-XXX System IRQ12 failure	1. Device on IRQ12 2. System board
001-280-XXX System IRQ13 failure	1. Device on IRQ13 2. System board
001-281-XXX System IRQ14 (hard disk drive) failure	1. Hard disk drive cable 2. Hard disk drive 3. System board
001-282-XXX System IRQ15 failure	1. Device on IRQ15 2. System board
001-286-XXX 001-287-XXX 001-288-XXX System Timer failure	System board
001-292-XXX System CMOS RAM error	1. Run Setup and re-test 2. System board
001-293-XXX System CMOS Battery	1. CMOS Battery 2. System board
001-298-XXX System RTC date/time update failure	1. Flash the system. See “Flash update procedures” on page 521 2. System board
001-299-XXX System RTC periodic interrupt failure	System board
001-300-XXX System RTC Alarm failure	System board
001-301-XXX System RTC Century byte error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
005-000-XXX Video Test Passed	No action
005-00X-XXX Video error	1. Video card, if installed 2. System board

Diagnostic Error Code	FRU/Action
005-010-XXX 005-011-XXX 005-012-XXX 005-013-XXX Video Signal failure	1. Video card, if installed 2. System board
005-016-XXX Video Simple Pattern test failure	1. Video Ram 2. Video card, if installed 3. System board
005-024-XXX Video Addressing test failure	1. Video card, if installed 2. System board
005-025-XXX Video Checksum Value error	1. Video card, if installed 2. System board
005-027-XXX Video Configuration/Setup error	1. Run Setup 2. Video drivers update 3. Video card, if installed 4. System board
005-031-XXX Video Device Cable failure	1. Video cable 2. Monitor 3. Video card, if installed 4. System board
005-032-XXX Video Device Controller failure	1. Video card, if installed 2. System board
005-036-XXX Video Register error	1. Video card, if installed 2. System board
005-038-XXX System BIOS extension failure	1. Video card, if installed 2. System board
005-040-XXX Video IRQ failure	1. Video card, if installed 2. System board
005-195-XXX Video Test aborted by user	Information only Restart the test, if necessary
005-196-XXX Video test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
005-197-XXX Video test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component called out in warning statement 4. Replace the component under test
005-198-XXX Video test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65

Diagnostic Error Code	FRU/Action
005-199-XXX Video test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
005-2XX-XXX 005-3XX-XXX Video subsystem error	1. Video card, if installed 2. System board
006-000-XXX Diskette interface Test Passed	No action
006-0XX-XXX Diskette interface error	1. Diskette drive Cable 2. Diskette drive 3. System board
006-195-XXX Diskette interface Test aborted by user	Information only Restart the test, if necessary
006-196-XXX Diskette interface test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
006-197-XXX Diskette interface test warning	1. If a component is called out, make sure it is connected and/or enabled 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
006-198-XXX Diskette interface test aborted	1. If a component is called out, make sure it is connected and/or enabled 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
006-199-XXX Diskette interface test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test 3. Replace component under function test
006-25X-XXX Diskette interface Error	1. Diskette drive cable 2. Diskette drive 3. System board
011-000-XXX Serial port Interface Test Passed	No action
011-001-XXX Serial port Presence	1. Remove external serial device, if present 2. Run setup, enable port 3. System board
011-002-XXX 011-003-XXX Serial port Timeout/Parity error	System board
011-013-XXX 011-014-XXX Serial port Control Signal/Loopback test failure	System board
011-015-XXX Serial port External Loopback failure	1. Wrap plug 2. System board

Diagnostic Error Code	FRU/Action
011-027-XXX Serial port Configuration/Setup error	1. Run Setup, enable port 2. Flash the system. See “Flash update procedures” on page 521 3. System board
011-03X-XXX 011-04X-XXX Serial port failure	System board
011-195-XXX Serial port Test aborted by user	Information only Restart the test, if necessary
011-196-XXX Serial port test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
011-197-XXX Serial port test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
011-198-XXX Serial port test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
011-199-XXX Serial port test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
011-2XX-XXX Serial port signal failure	1. External serial device 2. System board
014-000-XXX Parallel port Interface Test Passed	No action
014-001-XXX Parallel port Presence	1. Remove external parallel device, if present 2. Run setup, enable port 3. System board
014-002-XXX 014-003-XXX Parallel port Timeout/Parity error	System board
014-013-XXX 014-014-XXX Parallel port Control Signal/Loopback test failure	System board
014-015-XXX Parallel port External Loopback failure	1. Wrap plug 2. System board
014-027-XXX Parallel port Configuration/Setup error	1. Run Setup, enable port 2. Flash the system. See “Flash update procedures” on page 521 3. System board
014-03X-XXX 014-04X-XXX Parallel port failure	System board
014-195-XXX Parallel port Test aborted by user	Information only Restart the test, if necessary

Diagnostic Error Code	FRU/Action
014-196-XXX Parallel port test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
014-197-XXX Parallel port test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
014-198-XXX Parallel port test aborted	1. If a component is called out, make sure it is connected and/or enabled 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
014-199-XXX Parallel port test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
014-2XX-XXX 014-3XX-XXX Parallel port failure	1. External parallel device 2. System board
015-000-XXX USB port Interface Test Passed	No action
015-001-XXX USB port Presence	1. Remove USB device(s) and re-test 2. System board
015-002-XXX USB port Timeout	1. Remove USB device(s) and re-test 2. System board
015-015-XXX USB port External Loopback failure	1. Remove USB device(s) and re-test 2. System board
015-027-XXX USB port Configuration/Setup error	1. Flash the system. See “Flash update procedures” on page 521 2. System board
015-032-XXX USB port Device Controller failure	System board
015-034-XXX USB port buffer allocation failure	1. Reboot the system 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Run memory test 4. System board
015-035-XXX USB port Reset condition detected	1. Remove USB device(s) and re-test 2. System board
015-036-XXX USB port Register error	System board
015-040-XXX USB port IRQ failure	1. Run setup and check for conflicts 2. Flash the system. See “Flash update procedures” on page 521 3. System board

Diagnostic Error Code	FRU/Action
015-195-XXX USB port Test aborted by user	Information only Restart the test, if necessary
015-196-XXX USB port test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
015-197-XXX USB port test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
015-198-XXX USB port test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
015-199-XXX USB port test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
018-000-XXX PCI Card Test Passed	No action
018-0XX-XXX PCI Card Failure	1. Riser card, if installed 2. System board
018-195-XXX PCI Card Test aborted by user	1. PCI card 2. Information only Restart the test, if necessary
018-196-XXX PCI Card test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
018-197-XXX PCI Card test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
018-198-XXX PCI Card test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65

Diagnostic Error Code	FRU/Action
018-199-XXX PCI Card test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
018-250-XXX PCI Card Services error	1. PCI card 2. Riser card, if installed 3. System board
020-000-XXX PCI Interface Test Passed	No action
020-0XX-XXX PCI Interface error	1. PCI card 2. Riser card, if installed 3. System board
020-195-XXX PCI Test aborted by user	Information only Restart the test, if necessary
020-196-XXX PCI test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
020-197-XXX PCI test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
020-198-XXX PCI test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
020-199-XXX PCI test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
020-262-XXX PCI system error	1. PCI card 2. Riser card, if installed 3. System board
025-000-XXX IDE interface Test Passed	No action
025-00X-XXX 025-01X-XXX IDE interface failure	1. IDE signal cable 2. Check power supply voltages 3. Reseat IDE signal cable 4. IDE device 5. System board

Diagnostic Error Code	FRU/Action
025-027-XXX IDE interface Configuration/Setup error	1. IDE signal cable 2. Flash the system. See “Flash update procedures” on page 521 3. Reseat IDE signal cable 4. IDE device 5. System board
025-02X-XXX 025-03X-XXX 025-04X-XXX IDE Interface failure	1. IDE signal cable 2. Check power supply 3. Reseat IDE signal cable 4. IDE device 5. System board
025-195-XXX IDE interface Test aborted by user	Information only Restart the test, if necessary
025-196-XXX IDE interface test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
025-197-XXX IDE interface test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
025-198-XXX IDE interface test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
025-199-XXX IDE interface test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
030-000-XXX SCSI interface Test Passed	No action
030-00X-XXX 030-01X-XXX SCSI interface failure	1. SCSI signal cable 2. Check power supply 3. SCSI device 4. SCSI adapter card, if installed 5. System board
030-027-XXX SCSI interface Configuration/Setup error	1. SCSI signal cable 2. Flash the system. See “Flash update procedures” on page 521 3. SCSI device 4. SCSI adapter card, if installed 5. System board

Diagnostic Error Code	FRU/Action
030-03X-XXX 030-04X-XXX SCSI interface error	1. SCSI signal cable 2. Check power supply 3. SCSI device 4. SCSI adapter card, if installed 5. System board
030-195-XXX SCSI interface Test aborted by user	Information only Restart the test, if necessary
030-196-XXX SCSI interface test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
030-197-XXX SCSI interface test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
030-198-XXX SCSI interface test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
030-199-XXX SCSI interface test failed, cause unknown	1. Go to “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
035-000-XXX RAID interface Test Passed	No action
035-0XX-XXX RAID interface Failure	1. RAID signal cable 2. RAID device 3. RAID adapter card, if installed 4. System board
035-195-XXX RAID interface Test aborted by user	Information only Restart the test, if necessary
035-196-XXX RAID interface test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
035-197-XXX RAID interface test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test

Diagnostic Error Code	FRU/Action
035-198-XXX RAID interface test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
035-199-XXX RAID interface test failed, cause unknown	1. See “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
071-000-XXX Audio port Interface Test Passed	No action
071-00X-XXX 071-01X-XXX 071-02X-XXX Audio port error	1. Run Setup 2. Flash the system. See “Flash update procedures” on page 521 3. System board
071-03X-XXX Audio port failure	1. Speakers 2. Microphone 3. Audio card, if installed 4. System board
071-04X-XXX Audio port failure	1. Run Setup 2. Audio card, if installed 3. System board
071-195-XXX Audio port Test aborted by user	Information only Restart the test, if necessary
071-196-XXX Audio port test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
071-197-XXX Audio port test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
071-198-XXX Audio port test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
071-199-XXX Audio port test failed, cause unknown	1. See “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test

Diagnostic Error Code	FRU/Action
071-25X-XXX Audio port failure	Speakers - Audio card, if installed - System board
080-000-XXX Game Port interface Test Passed	No action
080-XXX-XXX Game Port interface Error	Remove the game port device and re-test the system
080-195-XXX Game Port interface Test aborted by user	Information only Restart the test, if necessary
080-196-XXX Game Port interface test halt, error threshold exceeded	Press F3 to review the log file - Restart the test to reset the log file
080-197-XXX Game Port interface test warning	Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 - Re-run test - Replace the component that is called out in warning statement - Replace the component under test
080-198-XXX Game Port interface test aborted	If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 - Flash the system and re-test. See “Flash update procedures” on page 521 - Go to “Undetermined problems” on page 65
080-199-XXX Game Port interface test failed, cause unknown	- See “Undetermined problems” on page 65 - Flash the system and re-test. See “Flash update procedures” on page 521 - Replace component under function test
086-000-XXX Mouse Port interface Test Passed	No action
086-001-XXX Mouse Port interface Presence	Mouse - System board
086-032-XXX Mouse Port interface Device controller failure	Mouse - System board
086-035-XXX Mouse Port interface Reset	Mouse - System board
086-040-XXX Mouse Port interface IRQ failure	Run Setup - Mouse - System board
086-195-XXX Mouse Port interface Test aborted by user	Information only Restart the test, if necessary
086-196-XXX Mouse Port interface test halt, error threshold exceeded	Press F3 to review the log file - Restart the test to reset the log file

Diagnostic Error Code	FRU/Action
086-197-XXX Mouse Port interface test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
086-198-XXX Mouse Port interface test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
086-199-XXX Mouse Port interface test failed, cause unknown	1. See “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
089-000-XXX Microprocessor Test Passed	No action
089-XXX-XXX Microprocessor failure	1. Microprocessor(s) 2. System board
089-195-XXX Microprocessor Test aborted by user	Information only Restart the test, if necessary
089-196-XXX Microprocessor test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
089-197-XXX Microprocessor test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
089-198-XXX Microprocessor test aborted	1. Flash the system. See “Flash update procedures” on page 521 2. Go to “Undetermined problems” on page 65
089-199-XXX Microprocessor test failed, cause unknown	1. See “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
170-000-XXX Voltage Sensor(s) Test Passed	No action
170-0XX-XXX Voltage Sensor(s) failure	1. Flash system 2. System board
170-195-XXX Voltage Sensor(s) Test aborted by user	Information only Restart the test, if necessary

Diagnostic Error Code	FRU/Action
170-196-XXX Voltage Sensor(s) test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
170-197-XXX Voltage Sensor(s) test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
170-198-XXX Voltage Sensor(s) test aborted	1. If a component is called out, make sure it is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65
170-199-XXX Voltage Sensor(s) test failed, cause unknown	1. See “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
170-250-XXX 170-251-XXX Voltage Sensor(s) Voltage limit error	1. Power supply 2. System board
170-254-XXX Voltage Sensor(s) Voltage Regulator Module error	1. Voltage Regulator Module (VRM) 2. Microprocessor 3. System board
175-000-XXX Thermal Sensor(s) Test Passed	No action
175-0XX-XXX Thermal Sensor(s) failure	1. Flash system 2. System board
175-195-XXX Thermal Sensor(s) Test aborted by user	Information only Restart the test, if necessary
175-196-XXX Thermal Sensor(s) test halt, error threshold exceeded	1. Press F3 to review the log file 2. Restart the test to reset the log file
175-197-XXX Thermal Sensor(s) test warning	1. Make sure the component that is called out is connected and/or enabled. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39 2. Re-run test 3. Replace the component that is called out in warning statement 4. Replace the component under test
175-198-XXX Thermal Sensor(s) test aborted	1. If a component is called out, make sure it is connected and/or enabled 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Go to “Undetermined problems” on page 65

Diagnostic Error Code	FRU/Action
175-199-XXX Thermal Sensor(s) test failed, cause unknown	1. See “Undetermined problems” on page 65 2. Flash the system and re-test. See “Flash update procedures” on page 521 3. Replace component under function test
175-250-XXX 175-251-XXX Thermal Sensor(s) limit error	1. Check fans 2. Check Power supply voltages 3. Microprocessor 4. System board
185-000-XXX Asset Security Test Passed	No action
185-XXX-XXX Asset Security failure	1. Flash system 2. System board
185-278-XXX Asset Security Chassis Intrusion	1. Assure Asset Security Enabled 2. C2 Cover Switch 3. System board
201-000-XXX System Memory Test Passed	No action
201-XXX-XXX System Memory error	1. Replace the memory module called out by the test 2. System board
202-000-XXX System Cache Test Passed	No action
202-XXX-XXX System Cache error	1. Cache, if removable 2. System board 3. Microprocessor
206-000-XXX Diskette Drive Test Passed	No action
206-XXX-XXX Diskette Drive error	1. Diskette Drive Cable 2. Check power supply voltages 3. Diskette drive 4. System board
215-000-XXX CD-ROM Drive Test Passed	No action
215-XXX-XXX CD-ROM Drive error	1. CD-ROM Drive Cable 2. Check power supply voltages 3. CD-ROM drive 4. System board
217-000-XXX Hard Disk Drive Test Passed	No action
217-25X-XXX 217-26X-XXX Hard Disk Drive (IDE) error	1. Hard Disk Drive Cable 2. Check power supply voltages 3. Reseat the hard disk drive cable 4. Hard Disk drive (IDE) 5. System board

Diagnostic Error Code	FRU/Action
217-28X-XXX 217-29X-XXX Hard Disk Drive (SCSI) error	1. Hard Disk Drive Cable 2. Check power supply voltages 3. Reseat the hard disk drive cable 4. Hard Disk drive (SCSI) 5. SCSI adapter card 6. System board
220-000-XXX Hi-Capacity Cartridge Drive Test Passed	No action
220-XXX-XXX Hi-Capacity Cartridge Drive error	1. Remove the Hi-Capacity Cartridge Drive and re-test the system
301-XXX-XXX Keyboard error	1. Keyboard 2. Check and test mouse 3. System board
301-000-XXX Keyboard Test Passed	No action
302-000-XXX Mouse Test Passed	No action
302-XXX-XXX Mouse error	1. Mouse 2. Check and test Keyboard 3. System board
303-000-XXX Joystick Test Passed	No action
303-XXX-XXX Joystick error	Remove the Joystick and re-test the system
305-000-XXX Monitor DDC Test Passed	No action
305-250-XXX Monitor DDC self test failure	1. Run Setup to enable DDC 2. Cable 3. Monitor 4. Video card 5. System board
415-000-XXX Modem Test Passed	No action
415-XXX-XXX Modem error	Remove the Modem and re-test the system

Beep symptoms

Beep symptoms are tones or a series of tones separated by pauses (intervals without sound) during POST.

The following tables describes beep symptoms.

Beep Symptom	FRU/Action
2 short beeps CMOS setting error	Perform the following actions in order. 1. Start the Setup Utility program and press F10 to Save and exit. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39. 2. Start the Setup Utility program and press F7 to load defaults and then press F10 to Save and exit. 3. Perform a Boot block recovery. See “Updating (flashing) BIOS from your operating system” on page 522.

Beep Symptom	FRU/Action
1 long and 2 short beeps Monitor or video adapter card error	Perform the following actions in order. 1. Make sure the monitor is properly connected to the computer. 2. Replace the video adapter card (if present). 3. Replace the system board.
1 long and 3 short beeps Keyboard error	Perform the following actions in order. 1. Make sure the keyboard is properly connected to the keyboard connector. 2. Replace the keyboard. 3. Replace the system board.
1 long and 9 short beeps BIOS ROM error	Perform the following actions in order. 1. Start the Setup Utility program and press F7 to load defaults and then press F10 to Save and exit. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39. 2. Perform a Boot block recovery. See “Updating (flashing) BIOS from your operating system” on page 522. 3. Replace the system board.
Continuous long beep DRAM memory error	Perform the following actions in order. 1. Make sure the memory module(s) are properly seated in the connector(s). 2. Replace the memory module(s). 3. Replace the system board.

POST error codes

Each time you power-on the system, it performs a series of tests that check the operation of the system and some options. This series of tests is called the *Power-On Self-Test*, or *POST*. POST does the following operations.

- Checks some basic system-board operations
- Checks the memory operation
- Starts the video operation
- Verifies that the boot drive is working

If the POST detects a problem, an error message appears on the screen. A single problem can cause several error messages to appear. When you correct the cause of the first error message, the other error messages probably will not appear on the screen the next time you turn on the system.

POST Error Message	Description/Action
CMOS battery failed	The CMOS battery is no longer functional. Replace the battery.
CMOS checksum error - defaults loaded	Checksum of CMOS is incorrect. The computer loads the default configuration settings. This error might indicate that CMOS has become corrupt due to a weak CMOS battery.

POST Error Message	Description/Action
CPU at nnnn	nnnn is the running speed of the microprocessor.
Press Esc to skip memory test	Pressing Esc skips the full memory test
HARD DISK INSTALL FAILURE	Cannot find or initialize the hard disk drive controller or the drive. Make sure the hard disk drive is correctly installed. If no hard disk drives are installed, make sure the hard disk drive selection in Setup is set to NONE.
Keyboard error or no keyboard present	Cannot initialize the keyboard. Make sure the keyboard is properly connected to the computer and that no keys are held pressed during POST. To purposely configure the computer without a keyboard, set the error halt condition in Setup to HALT ON ALL, BUT KEYBOARD. The BIOS then ignores the missing keyboard during POST.
Memory Test:	This message displays during a full memory test, counting down the memory areas being tested.
Memory test fail	If POST detects an error during memory testing, additional information appears. This information gives specifics about the type and location of the memory error.
Press TAB to show POST screen	Pressing the TAB key permits the user to toggle between the default POST display screen and a custom POST display screen.
Error: Non-System disk or disk error Replace and press any key when ready	The BIOS was unable to find a suitable boot device. Make sure the boot drive is properly connected to the computer. Make sure you have bootable media.

Miscellaneous error messages

Message/Symptom	FRU/Action
Changing display colors	Display/Monitor
Computer will <i>not</i> power-off. See “Hard disk drive boot error” on page 43.	Power Switch - System Board - Riser card, if installed
Computer will <i>not</i> RPL from server	Ensure that network is in startup sequence as first device or first device after diskette - Ensure that network adapter is enabled for RPL - Network adapter (Advise network administrator of new MAC address)

Message/Symptom	FRU/Action
Computer will <i>not</i> perform a Wake On LAN® (if applicable)	1. Check power supply and signal cable connections to network adapter 2. Ensure that the operating system settings are set to enable Wake on LAN® 3. Ensure Wake On LAN feature is enabled in Setup/Configuration (see "Starting the Setup Utility program" on page 39) 4. Ensure network administrator is using correct MAC address 5. Ensure no interrupt or I/O address conflicts 6. Network adapter (advise network administrator of new MAC address)
Dead computer. See "Hard disk drive boot error" on page 43.	1. Power Supply 2. System Board
Diskette drive in-use light remains on or does not light when drive is active.	1. Diskette Drive 2. System Board 3. Diskette Drive Cable
Blank screen except for flashing cursor.	1. System Board 2. Primary Hard Disk Drive 3. Hard Disk Drive Cable
Incorrect memory size during POST	1. Run the Memory tests 2. Memory Module 3. System Board
"Insert a Diskette" icon appears with a known-good diagnostics diskette in the first 3.5-inch diskette drive.	1. System Board 2. Diskette Drive Cable 3. Network Adapter
Intensity or color varies from left to right of characters and color bars	1. Display 2. Video adapter (if present) 3. System Board
No power or fan not running	1. See "Hard disk drive boot error" on page 43.
Non-system disk or disk error-type message with a known-good diagnostic diskette.	1. Diskette Drive 2. System Board 3. Diskette Drive Cable
Other display symptoms not listed above (including blank or illegible display)	1. Display 2. System Board
Power-on indicator or hard disk drive in-use light not on, but computer works correctly	1. Power switch/LED assembly 2. System Board
Printer problems	1. Printer 2. System Board

Message/Symptom	FRU/Action
Program loads from the hard disk with a known-good diagnostics diskette in the first 3.5-inch diskette drive	1. Run Setup and check Startup sequence. 2. Diskette Drive 3. Diskette Drive Cable 4. System Board 5. Power Supply
RPL computer cannot access programs from its own hard disk.	1. If network administrator is using LCCM Hybrid RPL, check startup sequence: a. First device - network b. Second device - hard disk 2. Hard disk drive
RPL computer does not RPL from server	1. Check startup sequence 2. Check the network adapter LED status
Serial or parallel port device failure (system board port)	1. External Device Self-Test OK? 2. External Device 3. Cable 4. System Board
Serial or parallel port device failure (adapter port)	1. External Device Self-Test OK? 2. External Device 3. Cable 4. Alternate Adapter 5. System Board
Some or all keys on the keyboard do not work	1. Keyboard 2. Keyboard Cable 3. System Board

Undetermined problems

If this computer has a parallel ATA hard disk drive, make sure that the hard disk drive is jumpered as a master and the optical drive is jumpered as a slave.

1. Power-off the computer.
2. Remove or disconnect the following components (if installed) one at a time.
 - a. External devices (modem, printer, or mouse)
 - b. Any adapters
 - c. Memory modules
 - d. Extended video memory
 - e. External Cache
 - f. External Cache RAM
 - g. Hard disk drive
 - h. Diskette drive
3. Power-on the computer to re-test the system.
4. Repeat steps 1 through 3 until you find the failing device or adapter.

If all devices and adapters have been removed, and the problem continues, replace the system board.

Chapter 8. Replacing FRUs (Types 7258, 7260, 7268, 7270, 7280, 7296, 7298, 7304, 7307, 7413, 7491, and 7508)

Important

Before you replace any FRU, read “Important Safety Information” on page 1. These precautions and guidelines will help you work safely.

FRU replacements are to be done by trained service technicians only.

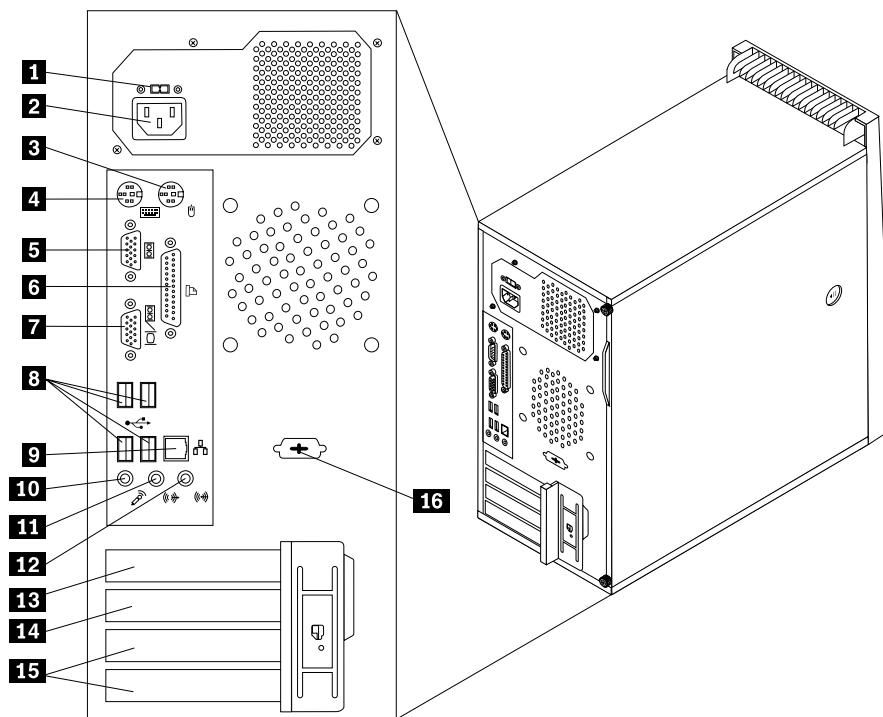
This chapter does not contain a remove and replace procedure for all FRUs. Only the major FRUs are documented.

Locations

The following illustrations help you locate the various connectors, controls, and components of the computer.

Rear connectors

The following illustration shows the locations of the connectors on the rear of the computer.



- | | |
|---|--|
| 1 Voltage-selection switch (some models) | 9 Ethernet connector |
| 2 Power cord connector | 10 Microphone connector |
| 3 Standard mouse connector | 11 Audio line-out connector |
| 4 Standard keyboard connector | 12 Audio line-in connector |
| 5 Serial port | 13 PCI Express x16 graphics adapter card slot |
| 6 Parallel port | 14 PCI Express x1 adapter card slot |

7 VGA monitor connector

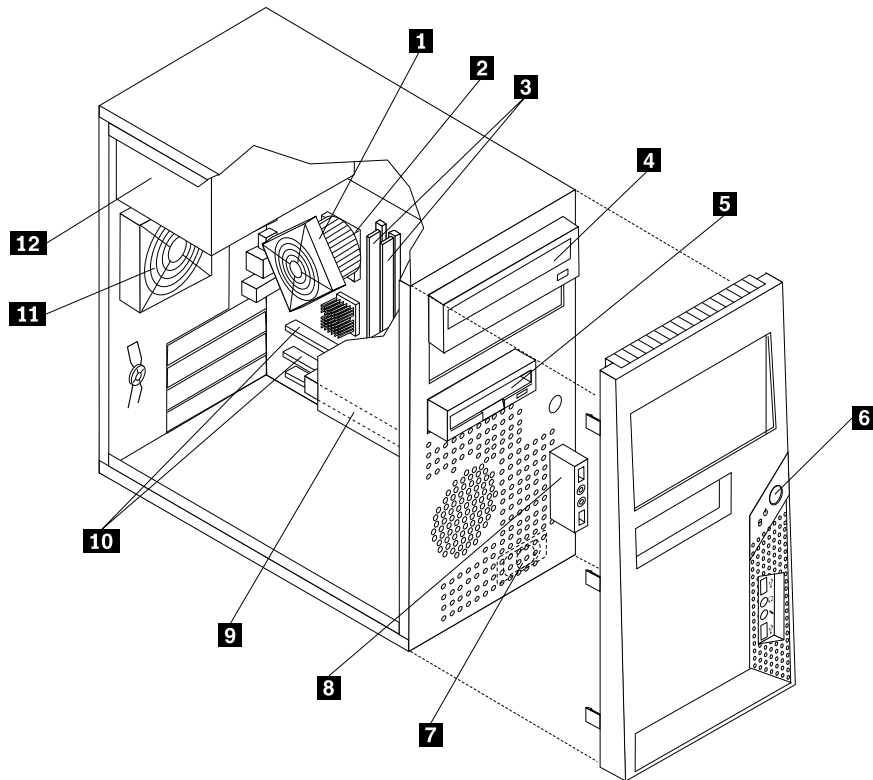
8 USB connectors (4)

15 PCI adapter card slots (2)

16 Serial port (some models)

Computer components

The following illustration will help you locate the major FRUs in the computer.



1 Heat sink, and fan assembly

2 Microprocessor

3 Memory

4 Optical drive

5 Diskette drive

6 Power switch / LED assembly

7 Internal speaker

8 Front audio / USB assembly

9 Hard disk drive

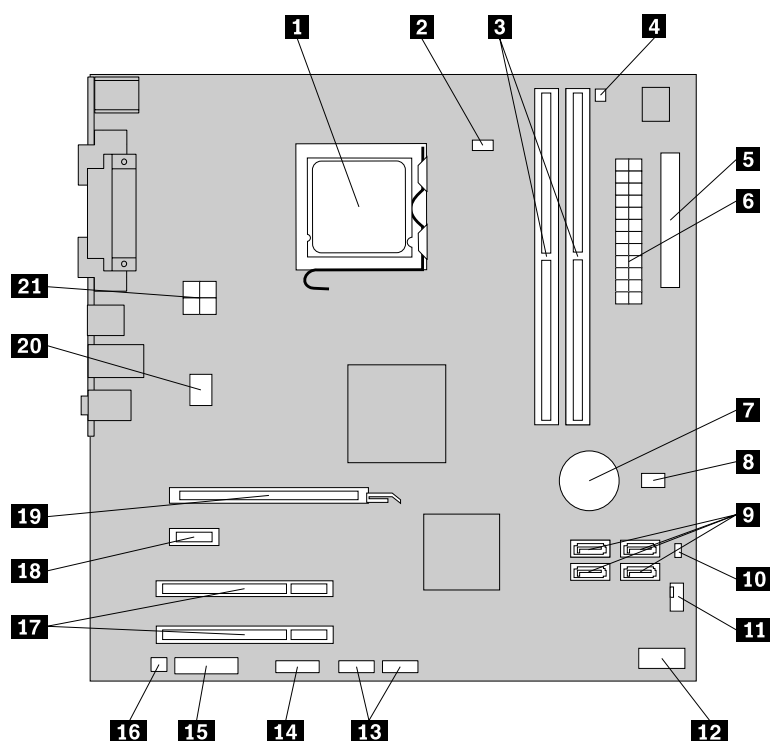
10 System board

11 Rear system fan

12 Power supply

System board connectors

This illustration is to help locate the various components and connectors on the system board.



- | | |
|--|--|
| 1 Microprocessor | 12 Front panel connector |
| 2 Microprocessor fan connector | 13 Front USB connectors (2) |
| 3 Memory slots (2) | 14 Serial (COM 2) connector |
| 4 Thermal sensor connector | 15 Front audio connector |
| 5 Diskette drive connector | 16 Internal speaker connector |
| 6 24-pin power connector | 17 PCI adapter card slots (2) |
| 7 Battery | 18 PCI Express x1 adapter card slot |
| 8 Cover presence (Intrusion) switch connector | 19 PCI Express x16 graphics adapter card slot |
| 9 SATA connectors (4) | 20 System fan connector |
| 10 Clear CMOS (Complementary Metal Oxide Semiconductor)/Recovery jumper | 21 4-pin power connector |
| 11 Power fan connector | |

Removing the computer cover

CAUTION:



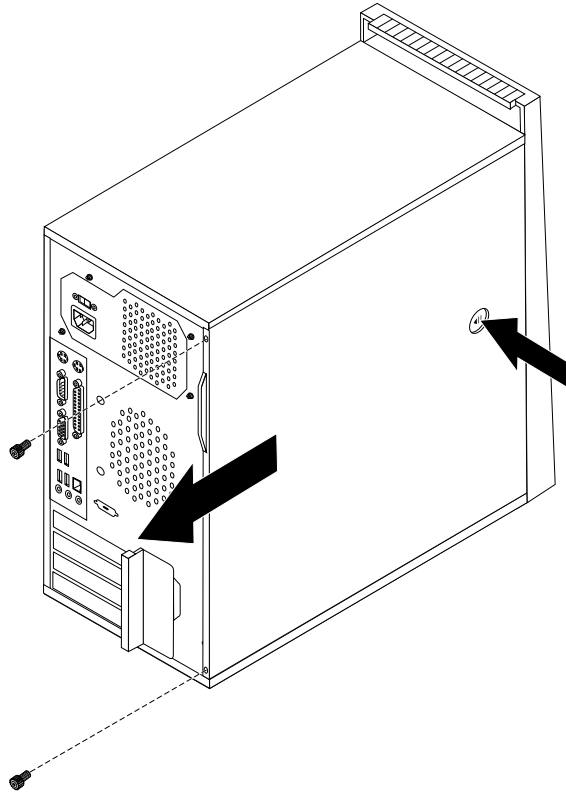
The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

This section provides instructions on how to remove the computer cover.

To remove the computer cover:

1. Remove any media from the drives, shut down your operating system, and turn off all attached devices and the computer.
2. Unplug all power cords from electrical outlets.

3. Disconnect the cables attached to the computer. This includes power cords, input/output (I/O) cables, and any other cables that are connected to the computer.
4. Remove any locking devices, such as a cable lock that secures the computer cover.
5. If there are thumbscrews securing the cover, remove them.
6. Press the cover-release button on the side of the computer cover and slide the computer cover to the rear to remove.

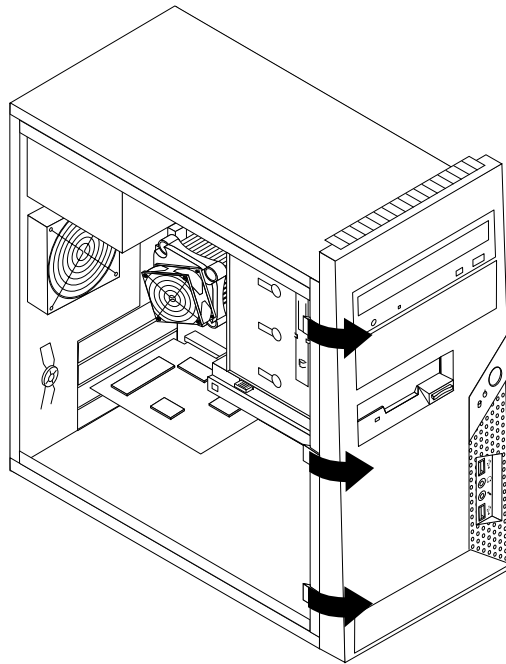


Removing and installing the front bezel

This section provides instructions on how to remove and install the front bezel.

To remove and install the front bezel:

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Release the three plastic tabs on the left side of the front bezel and pivot the bezel outward. Carefully set the bezel to the side without disconnecting the power switch and LED assembly cable.



3. To reinstall the bezel, align the plastic tabs on the right side of the bezel with the corresponding holes in the chassis, then pivot the bezel inward until it snaps into position on the left side.
4. To complete the installation, go to “Completing the FRU replacement” on page 95.

Replacing the power supply assembly

Attention

Never remove the cover on a power supply or any part that has the following label attached.



Hazardous voltage, current, and energy levels are present inside any component that has this label attached. There are no servicable parts inside these components.

Attention

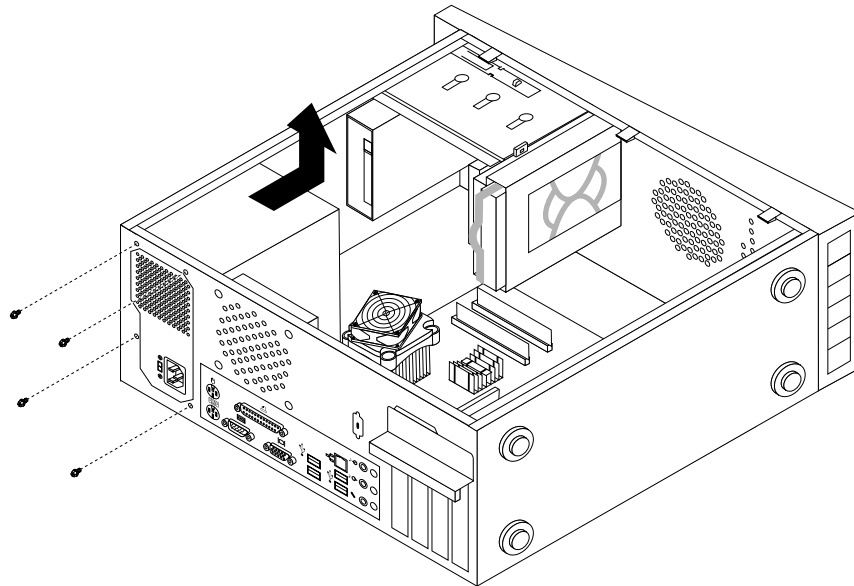
Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that was included with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides instructions on how to replace the power supply assembly.

To replace the power supply assembly:

1. Remove the computer cover. See “Removing the computer cover” on page 69.

2. Lay the computer on its side.
3. Disconnect the power supply assembly cables from the system board and from all drives. See “System board connectors” on page 68.
4. Remove the four screws at the rear of the chassis that secure the power supply assembly.



5. Lift the power supply assembly out of the chassis.
 6. Ensure that the new power supply assembly is the correct replacement. If your power supply assembly has a voltage-selection switch, ensure that you set the voltage-selection switch to match the voltage available at your electrical outlet. If necessary, use a ballpoint pen to slide the switch to a different position.
 - If the voltage supply range in your local country or region is 100–127 V AC, set the switch to 115 V.
 - If the voltage supply range in your local country or region is 200–240 V AC, set the switch to 230 V.
 7. Install the new power supply assembly into the chassis so that the screw holes in the power supply assembly align with those in the chassis.
 8. Install the four screws to secure the power supply.
- Note:** Use only the screws provided by Lenovo.
9. Reconnect the power supply cables to the system board and the drives.
 10. Go to “Completing the FRU replacement” on page 95.

Replacing the system board

CAUTION:



The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

Attention

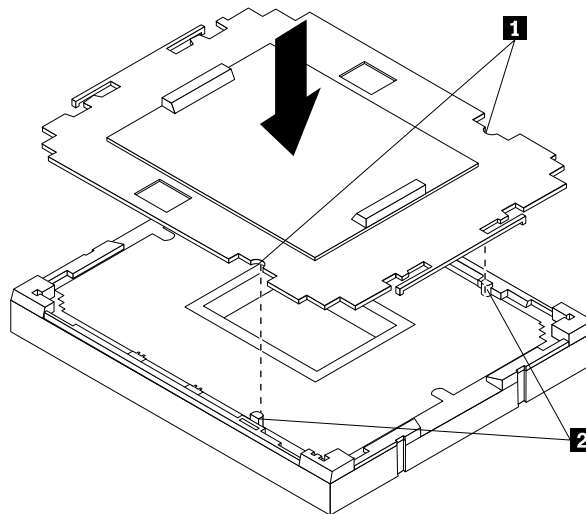
Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy

of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

Note: When replacing the system board a new retention module for the microprocessor heat sink is required. Make sure you have a new retention module before beginning this procedure.

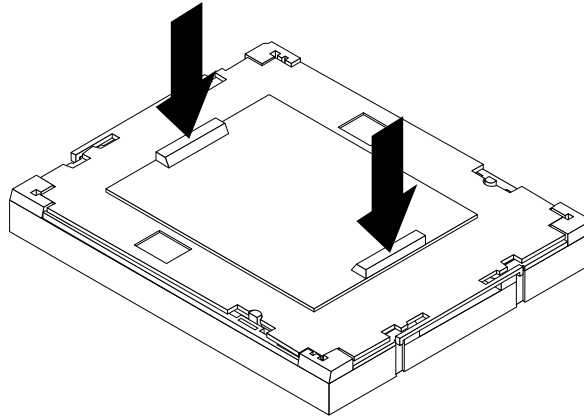
This section provides instructions on how to remove and replace the system board. The procedure varies depending upon the machine type.

1. Remove the cover. See “Removing the computer cover” on page 69.
2. Place the computer on its right side to help make the system board more accessible.
3. Remove any adapter cards installed in the PCI connectors.
4. Disconnect the signal and power cables from the hard disk drive and remove the hard disk drive out of the chassis. See “Replacing the primary hard disk drive” on page 82.
5. Disconnect the heat sink and fan assembly cable from the system board. And lift the heat sink and fan assembly off the failing system board. See the system board illustration for your machine type at “System board connectors” on page 68.
6. Carefully take note of the location of all cable connections on the system board and disconnect all cables. See the system board illustration for your machine type at “System board connectors” on page 68.
7. Remove the screws that secure the system board to the chassis.
8. Remove the failing system board out of the chassis.
9. The failing system board must be returned with a microprocessor socket cover to protect the pins during shipping and handling. Install the microprocessor socket cover removed from the new system board on the failing system board. To install the microprocessor socket cover:
 - a. Release the lever securing the microprocessor retainer and open the retainer to access the microprocessor.
 - b. Grasp the microprocessor on the sides and lift it straight up and out of the socket. Do not touch the contacts on the microprocessor socket.
 - c. Align the notches **1** of the microprocessor socket cover with the alignment keys **2** of the microprocessor socket. Lower the socket cover straight down into the microprocessor socket on the system board.



Note: Your microprocessor socket and cover might look slightly different from the illustration.

- d. Carefully press the socket cover straight downwards until it is secured into the socket.



- e. Lower the microprocessor retainer and then lower the lever to secure the retainer. Make sure the lever is securely locked into position.
- f. Follow any additional instructions included with the replacement part you received.
10. Install the new retention module to the new system board.
11. Remove the memory modules from the failing system board and install them in the same location on the new system board.
12. Install the new system board into the chassis and align the screw holes with those in the chassis. Insert and tighten the screws that secure the system board.
13. Install the new Microprocessor in the new system board. See “Replacing the microprocessor” on page 75.
14. Install the heat sink and fan assembly on the system board. See “Replacing the heat sink and fan assembly” on page 74.
15. Connect the heat sink and fan assembly cable to the new system board. See the system board illustration for your machine type at “System board connectors” on page 68.
16. Pivot the hard disk drive back into position.
17. Connect the power and signal cables to the hard disk drive.
18. Connect all cables to the system board. See the system board illustration for your machine type at “System board connectors” on page 68.
19. Go to “Completing the FRU replacement” on page 95.

Replacing the heat sink and fan assembly

CAUTION:



The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

Attention

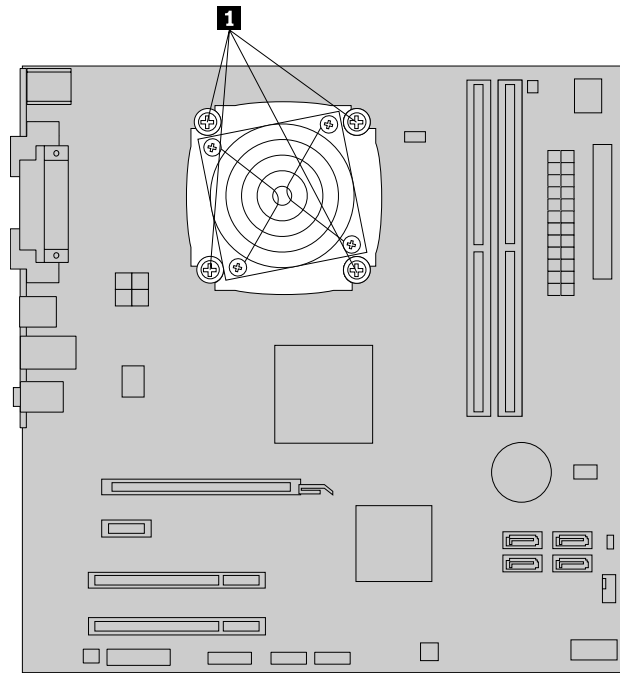
Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that was included with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides instructions on how to replace the heat sink and fan assembly.

To replace the heat sink and fan assembly:

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Lay the computer on its side for easier access to the system board.
3. Locate the heat sink and fan assembly. See “System board connectors” on page 68.
4. Disconnect the heat sink and fan assembly cable from the microprocessor fan connector on the system board.
5. Remove the four screws **1** that secure the heat sink and fan assembly to the system board.

Note: Carefully remove the four screws from the system board to avoid any possible damage to the system board. The four screws cannot be removed from the heat sink and fan assembly.



6. Lift the failing heat sink and fan assembly off the system board.

Notes:

- a. You might have to gently twist the heat sink and fan assembly to free it from the microprocessor.
 - b. Do not touch the thermal grease while handling the heat sink and fan assembly.
7. Position the new heat sink and fan assembly on the microprocessor so that the four screws are aligned with the holes on the system board.

Note: Position the new heat sink and fan assembly so that the heat sink and fan assembly cable is toward the microprocessor fan connector on the system board.

8. Alternate tightening each screw a small and equal amount until the heat sink and fan assembly is secured to the system board. Do not over-tighten the screws.
9. Connect the heat sink and fan assembly cable to the microprocessor fan connector on the system board.
10. Go to “Completing the FRU replacement” on page 95.

Replacing the microprocessor

CAUTION:



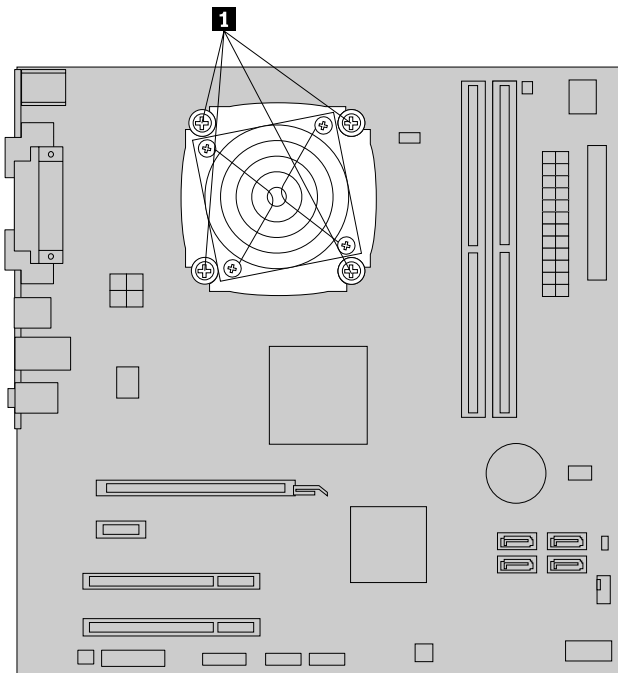
The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

Attention

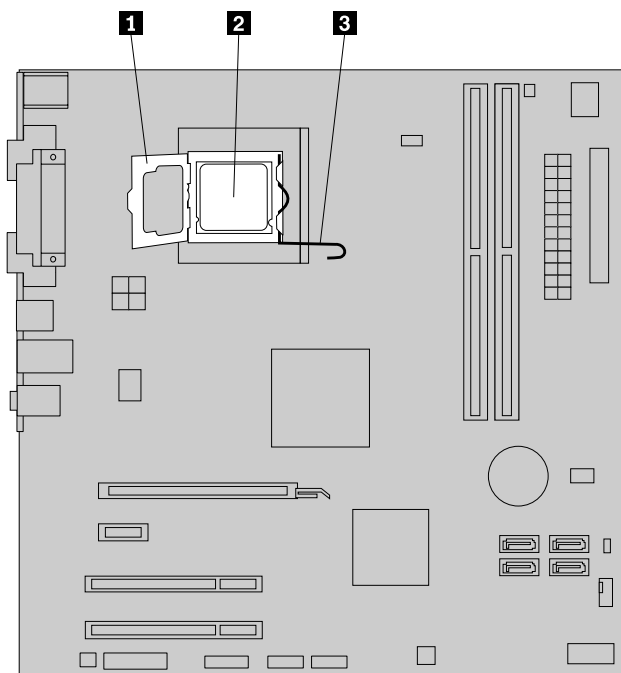
Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides information on how to remove and replace the microprocessor. The procedure varies depending upon the machine type.

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Place the computer on its right side to help make the microprocessor more accessible.
3. Disconnect the heat sink and fan assembly cable from the system board. See the system board illustration for your machine type at “System board connectors” on page 68.
4. Remove the four screws **1** securing the heat sink and fan assembly to the system board.

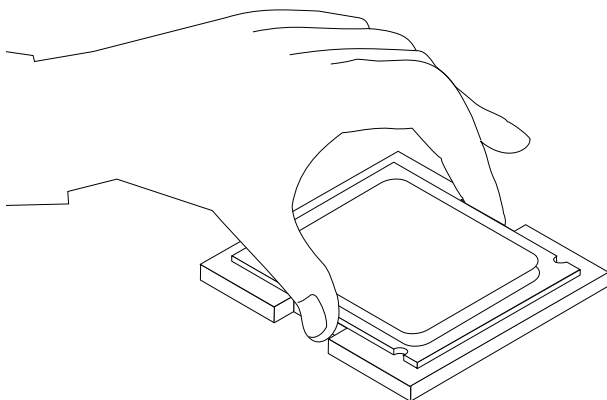


5. Lift the heat sink and fan assembly off the failing system board. Place the heat sink on its side so that the thermal grease does not come in contact with anything.
6. To remove the microprocessor **2** from the system board, lift the small handle **3** and open the retainer **4**.



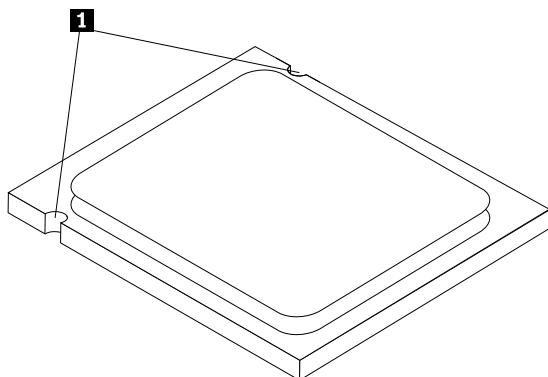
Note: Touch only the sides of the microprocessor. Do not touch the gold contacts on the bottom.

7. Lift the microprocessor straight up and out of the socket.

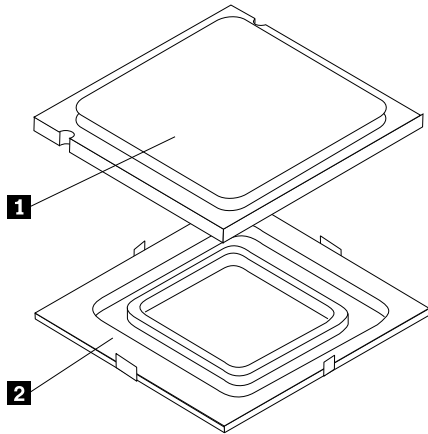


Notes:

- a. Note the orientation of the notches **1** on the microprocessor. This is important when reinstalling the microprocessor on the new system board.



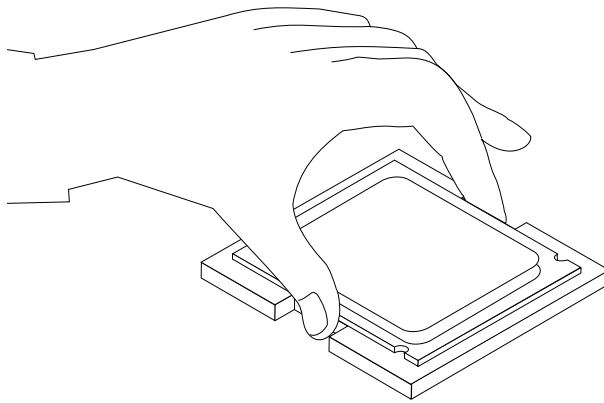
- b. Do not drop anything onto the microprocessor socket while it is exposed. The socket pins must be kept as clean as possible.
8. Make sure that the microprocessor retainer is fully open.
9. Holding the microprocessor with your fingers, remove the protective cover **2** that protects the gold contacts on the new microprocessor **1**.



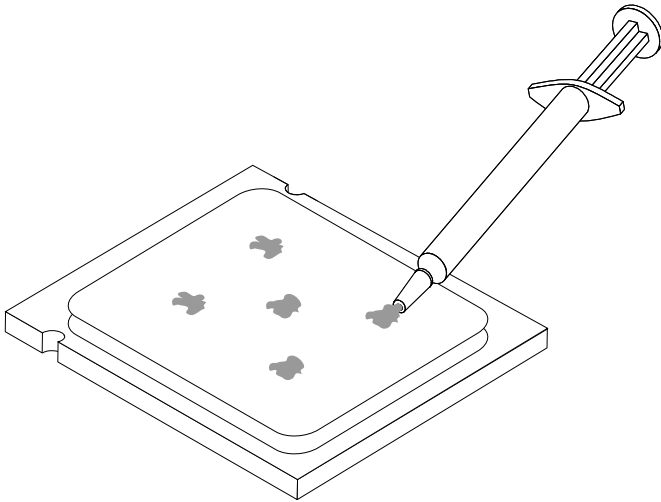
10. Holding the microprocessor with your fingers, position the microprocessor so that the notches on the microprocessor are aligned with the tabs in the microprocessor socket.

Note: To avoid damaging the microprocessor contacts, do not tilt the microprocessor when installing it into the socket.

11. Lower the microprocessor straight down into the system board socket of the system board.



12. To secure the microprocessor in the socket, close the microprocessor retainer and lock it into position with the small handle.
13. Use the thermal grease syringe to place five drops of grease on the top of the microprocessor. Each drop of grease should be 0.03ml (3 tick marks on the grease syringe).



14. Install the heat sink and fan assembly on the system board.
15. Connect the heat sink and fan assembly cable to the system board. See the system board illustration for your machine type at “System board connectors” on page 68.
16. Go to “Completing the FRU replacement” on page 95.

Replacing a memory module

Attention

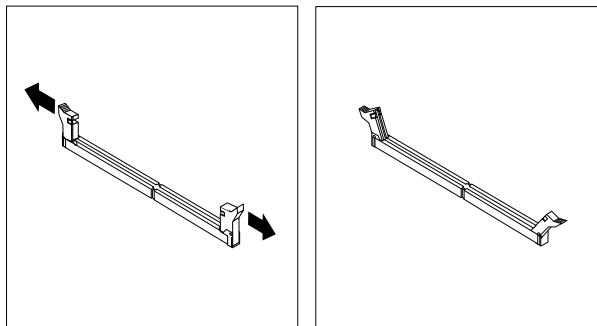
Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This provides instructions on how to remove and replace a memory module.

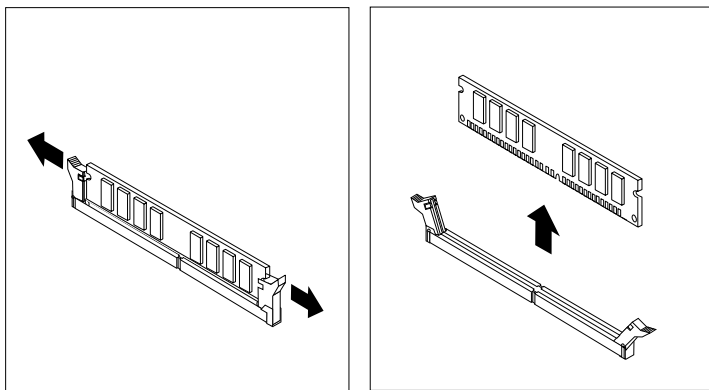
1. Remove the computer cover. See “Removing the computer cover” on page 69.

Note: For this procedure, it helps to lay the computer on its side.

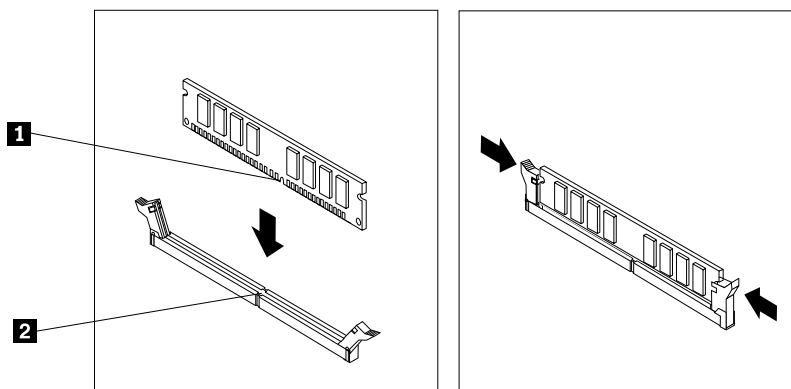
2. Locate the memory module connectors. See “System board connectors” on page 68.
3. Open the retaining clips.



If you are replacing an old memory module, open the retaining clips and remove the memory module being replaced as shown.



4. Position the new memory module over the memory slot. Make sure that the notch **1** on the memory module aligns correctly with the slot key **2** on the system board. Push the memory module straight down into the slot until the retaining clips close.



5. Go to “Completing the FRU replacement” on page 95.

Installing or replacing an adapter card

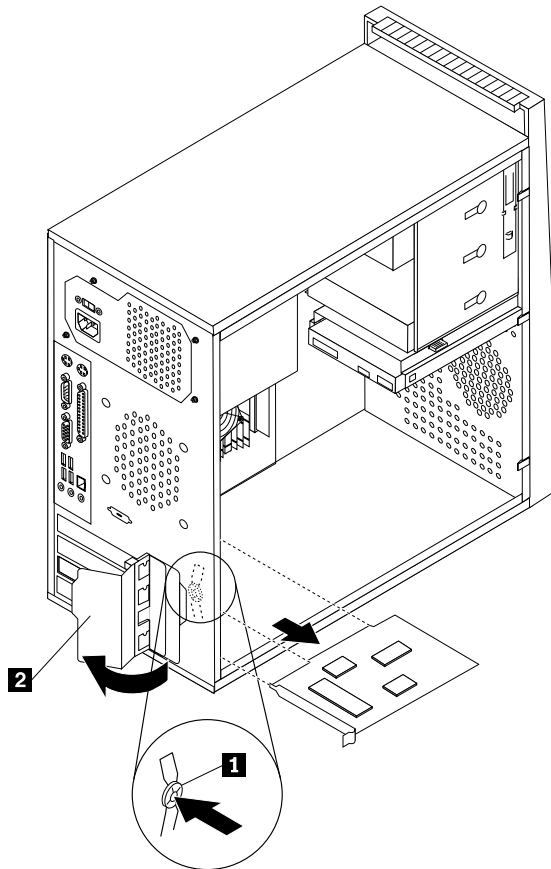
Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides instructions on how to install or replace an adapter card. Your computer has one PCI Express x1 adapter card slot, one PCI Express x16 adapter card slot, and two PCI adapter card slots. See “System board connectors” on page 68.

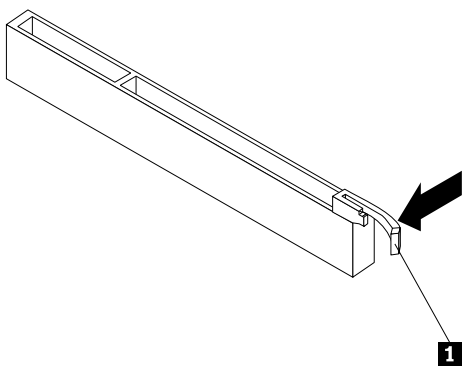
To install or replace an adapter card:

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. At the rear of the computer, press the release button **1** to open the adapter latch **2**. If you are installing an adapter card, remove the appropriate slot cover. If you are replacing an adapter card, remove the adapter card that is currently installed.

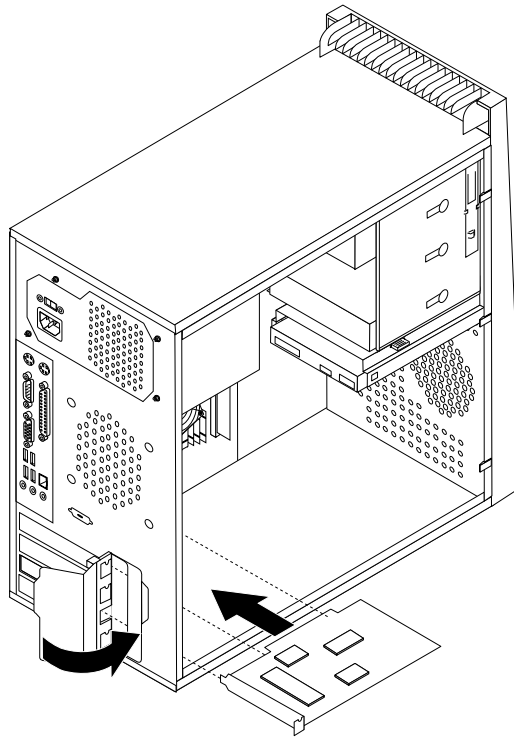


Notes:

- a. The adapter card fits tightly into the adapter card slot. If necessary, alternate moving each side of the adapter card a small amount until it is removed from the adapter card slot.
- b. If the adapter card is held in place by a retaining latch, press the adapter card retaining latch **1** as shown to disengage the latch. Grasp the adapter card and then gently pull the adapter card out of the slot.



3. Remove the new adapter card from its static-protective package.
4. Install the adapter card into the appropriate slot on the system board.
5. Pivot the adapter card latch to the closed position to secure the adapter card.



6. To complete the installation, go to “Completing the FRU replacement” on page 95.

Replacing the primary hard disk drive

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to <http://www.lenovo.com/support>

Important

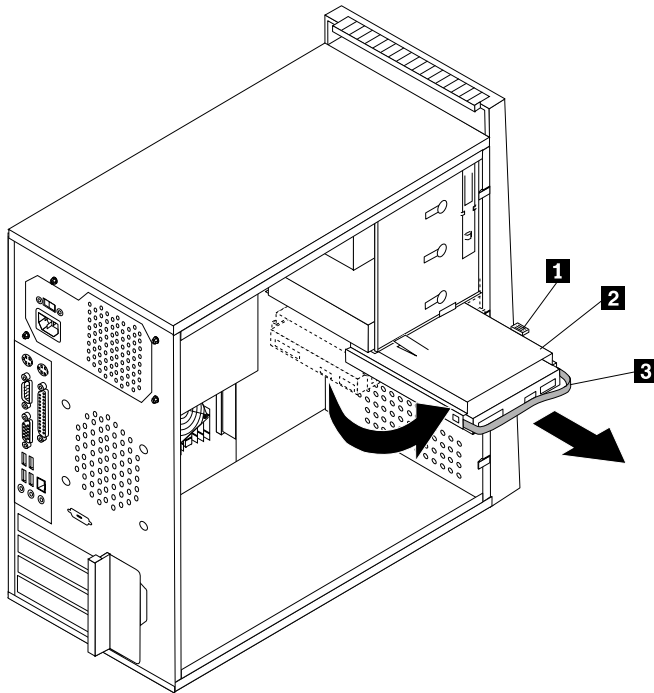
When a new hard disk drive is installed, a set of *Product Recovery* discs might be required. The set of *Product Recovery* discs enable the contents of the hard disk to be restored to the same state as when the computer was originally shipped from the factory. For more information on recovering factory-installed software, refer to “Recovering Software” in the *User Guide*.

This section provides instructions on how to remove and replace the primary hard disk drive.

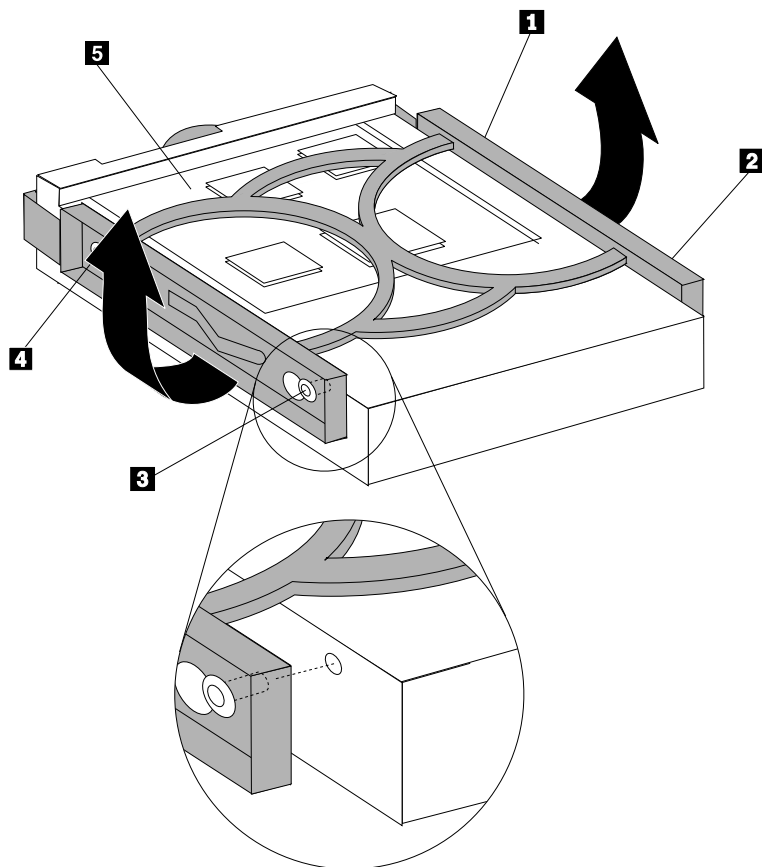
1. Remove the computer cover. See “Removing the computer cover” on page 69.

Note: For this procedure, it helps to lay the computer on its side.

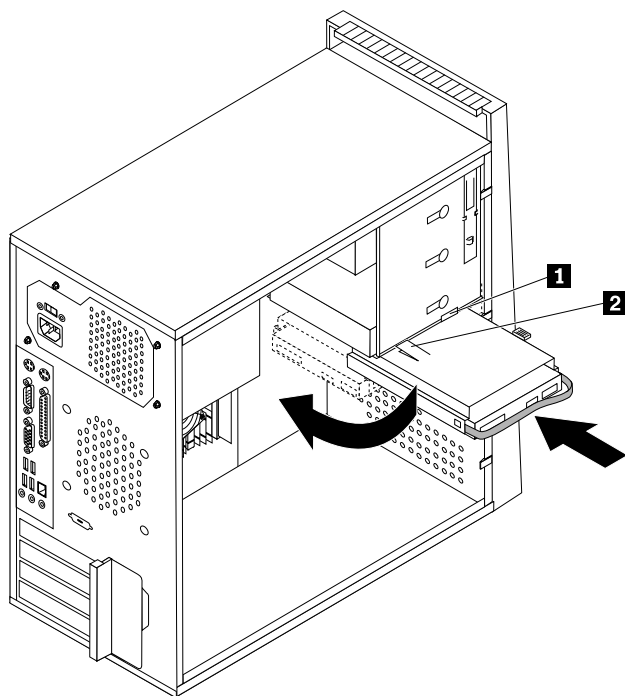
2. Disconnect the signal and power cables from the hard disk drive.
3. Press the release tab **1** down, slide the hard drive cage **2** back, and pivot the hard disk drive outward as shown.



4. Remove the hard disk drive cage from the chassis by simply sliding it outward.
5. Pull on the blue handle **3** to remove hard disk drive from the drive cage.
6. Remove the failing hard disk drive from the blue plastic bracket from by flexing the sides of the bracket enough to free it from the hard disk drive.
7. To install the new drive into the blue bracket, flex the bracket, and align the pins **1** through **4** on the bracket with the holes in the hard disk drive. Do not touch the circuit board **5** on the bottom of the hard disk drive.



8. Slide the new hard disk drive into the drive cage until it snaps into position.
9. Align the drive cage pivot pin with the slot **1** in the upper drive cage and slide the hard disk drive into the chassis.



10. Press down on the metal latch **2** and pivot in the drive cage into place. Slide it forward until it snaps into position.

Note: There are two arrows, one on the upper drive cage and one on the hard disk drive cage, that are aligned when the hard disk drive is in the proper position.

11. Connect the power and signal cables to the hard disk drive.
12. Go to "Completing the FRU replacement" on page 95.

Replacing the secondary hard disk drive

Attention

Do not open your computer or attempt any repair before reading and understanding the "Important safety information" in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:

<http://www.lenovo.com/support>

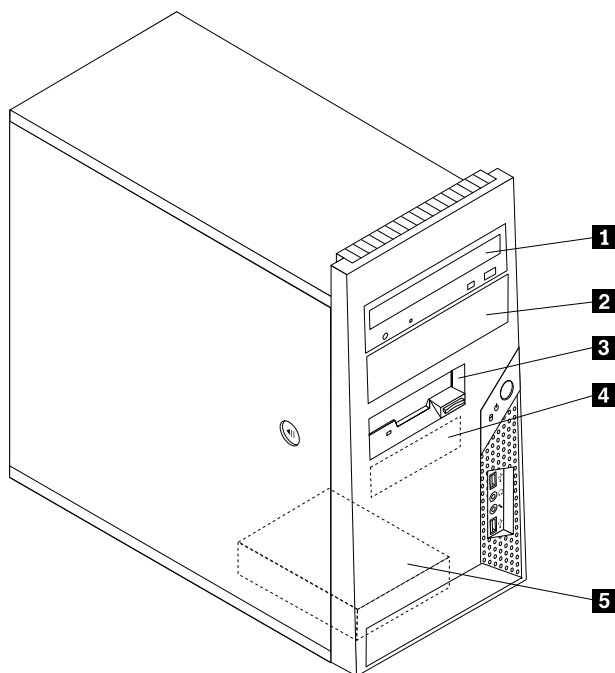
Important

When a new hard disk drive is installed, a set of *Product Recovery* discs might be required. The set of *Product Recovery* discs enable the contents of the hard disk to be restored to the same state as when the computer was originally shipped from the factory. For more information on recovering factory-installed software, refer to "Recovering Software" in the *User Guide*.

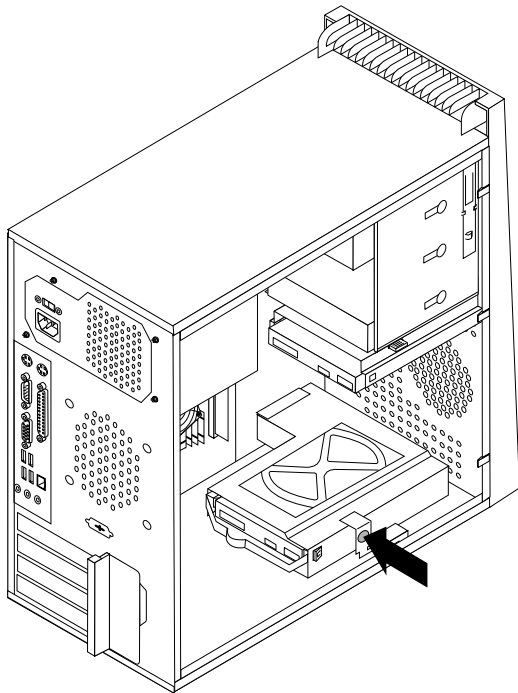
This section provides instructions on how to replace the secondary hard disk drive.

To replace the secondary hard disk drive:

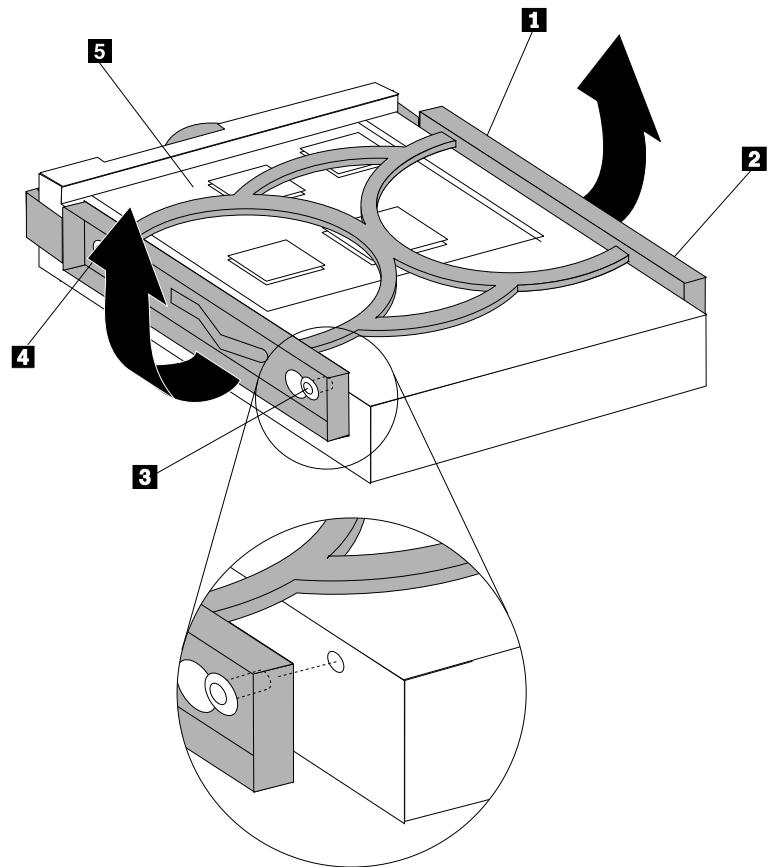
1. Remove the computer cover. See "Removing the computer cover" on page 69.
2. Locate the secondary hard disk drive **5**.



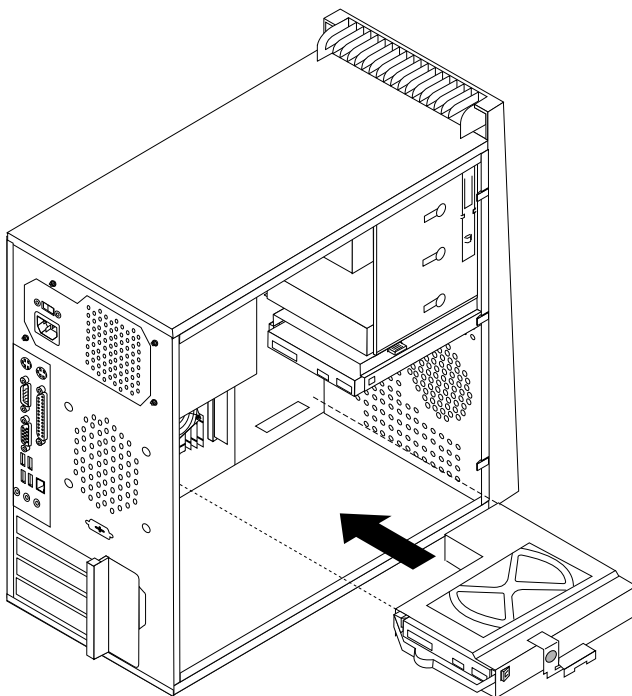
3. Disconnect the signal and power cables from the hard disk drive.
4. Press the blue release button to release the hard drive cage from the chassis.



5. Remove the hard drive cage from the chassis by simply sliding it outward.
6. Pull on the blue handle to release and remove the hard disk drive from the hard drive cage.
7. Remove the hard disk drive from the blue plastic bracket by flexing the sides of the bracket enough to slide it free of the hard disk drive.
8. To install the new hard disk drive into the blue bracket, flex the bracket and align the pins **1** through **4** on the bracket with the holes in the hard disk drive. Do not touch the circuit board **5** on the bottom of the hard disk drive.



9. Slide the new hard disk drive into the hard drive cage until it snaps into position.
10. Install the hard drive cage into the chassis until it snaps into position underneath the metal tab. Make sure that the hard drive cage is secure in the chassis.



11. Connect the signal and power cables to the rear of the new hard disk drive.

12. Go to “Completing the FRU replacement” on page 95.

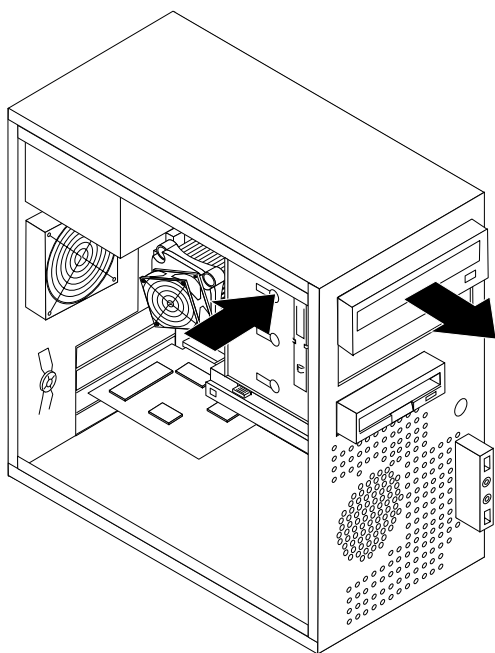
Replacing an optical drive

Attention

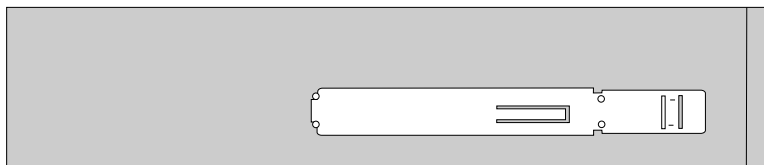
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<http://www.lenovo.com/support>

This section provides instructions on how to remove and replace an optical drive.

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Disconnect the signal and power cables from the rear of the optical drive.
3. Press the release button and remove the optical drive out the front of the computer.



4. Remove the retainer bracket from the drive being replaced and install it on the new drive.



5. Slide the new optical drive into the bay from the front until it snaps into position.
6. Connect the signal and power cables to the drive.
7. Go to “Completing the FRU replacement” on page 95.

Replacing the diskette drive or card reader

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that was included with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

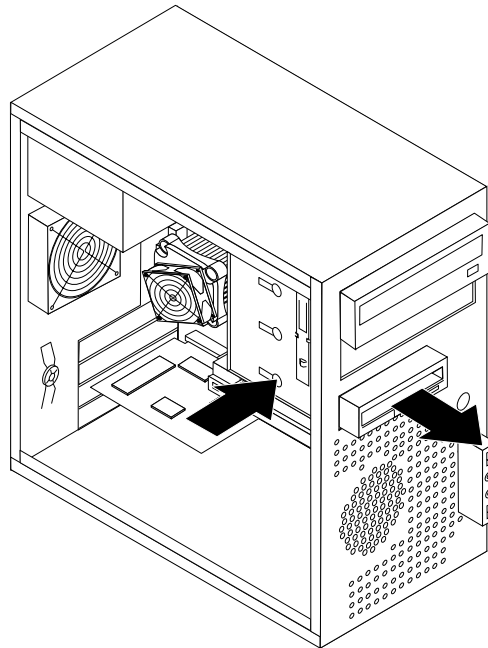
Depending on your model type, your computer might have a diskette drive or a card reader installed. This section provides instructions on how to replace the diskette drive or card reader.

Note: The artwork in this section shows how to replace the diskette drive. To replace the card reader, the procedure is the same as replacing the diskette drive.

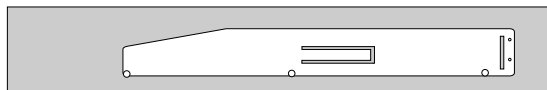
This section provides instructions on how to remove and replace a diskette drive or card reader.

To replace the diskette drive or card reader:

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Remove the front bezel. See “Removing and installing the front bezel” on page 70.
3. Disconnect the signal cable and the power cable from the rear of the diskette drive. If you are replacing a card reader, disconnect the signal cable from the system board.
4. Press the release button and slide the diskette drive or card reader out of the front of the computer.



5. Remove the retainer from the failing diskette drive or card reader and install it on the new diskette drive or card reader.



6. Slide the new diskette drive or card reader into the drive bay until it snaps into position.
7. Connect the signal cable and the power cable to the new diskette drive. If you are installing a card reader, connect the signal cable to the card reader connector on the system board.
8. Reinstall the front bezel.
9. Go to “Completing the FRU replacement” on page 95.

Replacing the front fan assembly

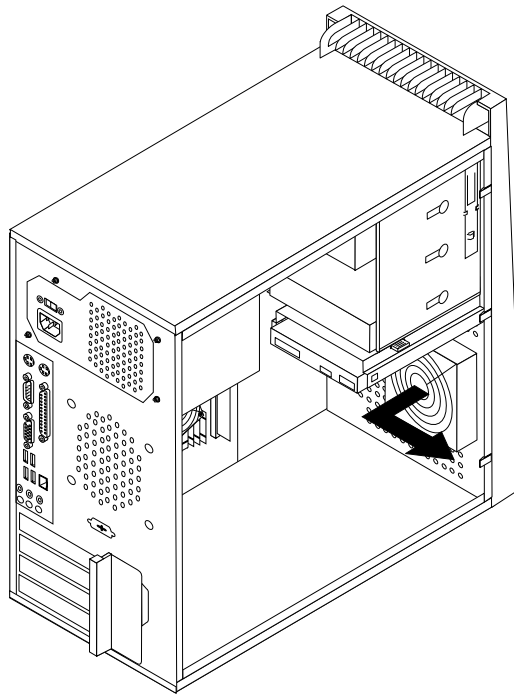
Attention

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<http://www.lenovo.com/support>

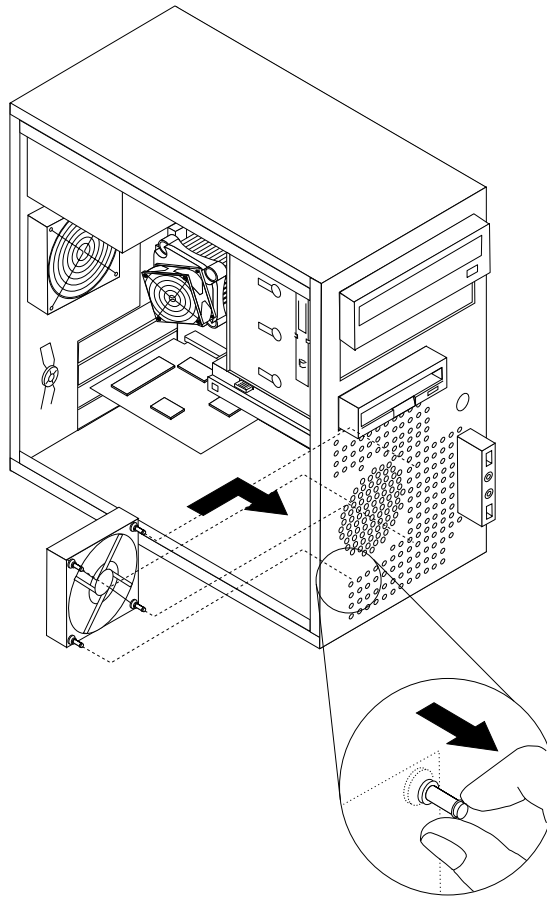
This section provides instructions on how to replace the front fan assembly.

To replace the front fan assembly:

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Remove the front bezel. See “Removing and installing the front bezel” on page 70.
3. Disconnect the front fan assembly cable from the power fan connector on the system board. See “System board connectors” on page 68.
4. The front fan assembly is attached to the chassis by four rubber mounts. Carefully remove these rubber mounts from the rear of the chassis by breaking them or cutting them with scissors.



5. Remove the front fan assembly out of the chassis.
6. Install the new front fan assembly by aligning the rubber mounts of the front fan assembly with the holes on the chassis and push the rubber mounts through the holes.
7. Pull on the tips of the rubber mounts until the fan assembly is in place.



8. Connect the front fan assembly cable to the power fan connector on the system board.
9. Go to “Completing the FRU replacement” on page 95.

Replacing the rear fan assembly

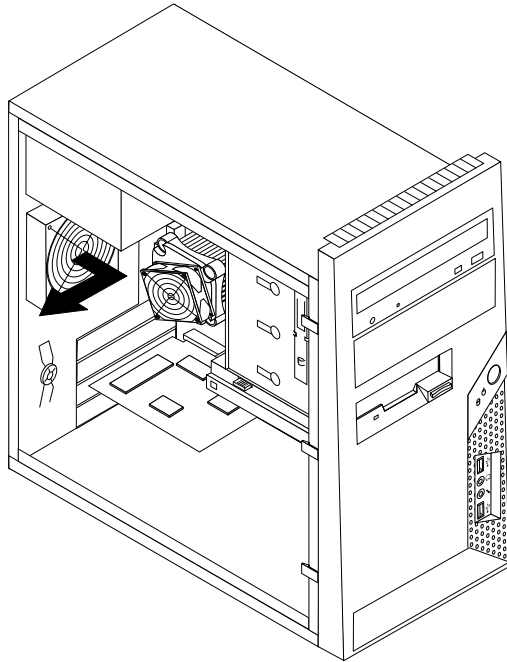
Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that was included with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

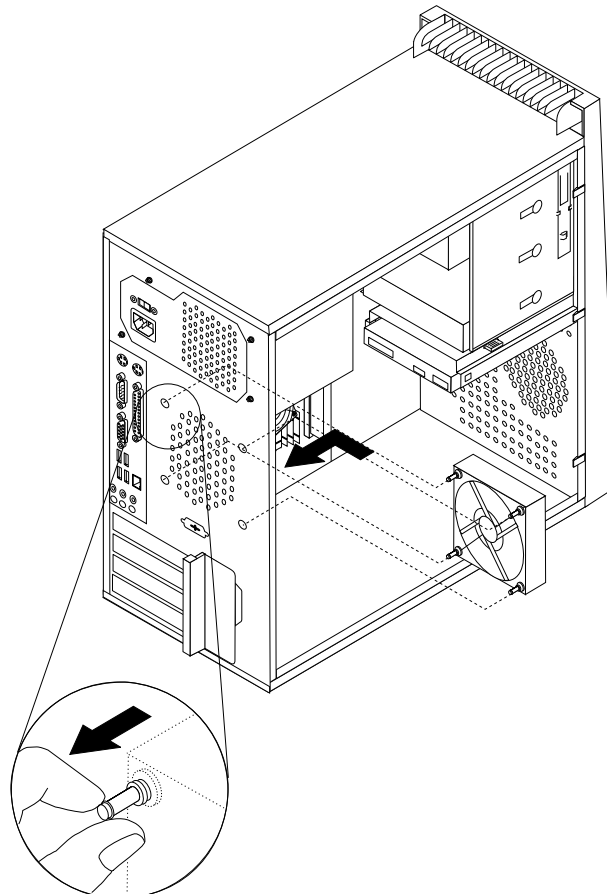
This section provides instructions on how to replace the rear fan assembly.

To replace the rear fan assembly:

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Locate the rear fan assembly. See “Computer components” on page 68.
3. Disconnect the rear fan assembly cable from the system fan connector on the system board. See “System board connectors” on page 68.
4. The rear fan assembly is attached to the chassis by four rubber mounts. Carefully remove the four rubber mounts from the rear of the chassis by breaking them or cutting them with scissors.



5. Remove the rear fan assembly out of the chassis.
6. Install the new rear fan assembly by aligning the rubber mounts of the rear fan assembly with the holes on the chassis and push the rubber mounts through the holes.
7. Pull on the tips of the rubber mounts until the rear fan assembly is in place.



8. Connect the rear fan assembly cable to the system fan connector on the system board.
9. Go to “Completing the FRU replacement” on page 95.

Replacing the front audio/USB assembly

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides instructions on how to remove and replace the front audio/USB assembly.

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Remove the front bezel. See “Removing and installing the front bezel” on page 70
3. Disconnect the front audio/USB assembly cable from the system board. See the system board illustration for your machine type at “System board connectors” on page 68.
4. Note the front audio/USB assembly cable routing and remove the screw that secures the assembly to the chassis.
5. Remove the front audio/USB assembly.
6. Route the cable for the new front audio/USB assembly through the hole in the chassis and to the system board.
7. Install the front audio/USB assembly into the chassis and secure it with the screw.
8. Connect the front audio/USB assembly cable to the system board.
9. Reinstall the front bezel.
10. Go to “Completing the FRU replacement” on page 95.

Replacing the power switch/LED assembly

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides instructions on how to remove and replace the power switch/LED assembly.

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Remove the front bezel. See “Removing and installing the front bezel” on page 70
3. Disconnect the power switch/LED assembly cable from the system board. See the system board illustration for your machine type at “System board connectors” on page 68.
4. Note the power switch/LED assembly cable routing and the position of the two LEDs.
5. Remove the switch/LED from the bezel.
6. Route the cable for the new power switch/LED assembly through the hole in the chassis and to the system board.
7. Install the new power switch/LED assembly into the bezel. Make sure that the LEDs are in the correct position.
8. Connect the power switch/LED cable to the system board.
9. Reinstall the front bezel.

10. Go to “Completing the FRU replacement” on page 95.

Replacing the CMOS battery

Attention

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<http://www.lenovo.com/support>

This section provides instructions on how to remove and replace the CMOS battery.

If the CMOS battery fails, the date, time, and configuration information (including passwords) are lost. An error message is displayed when you turn on the computer.

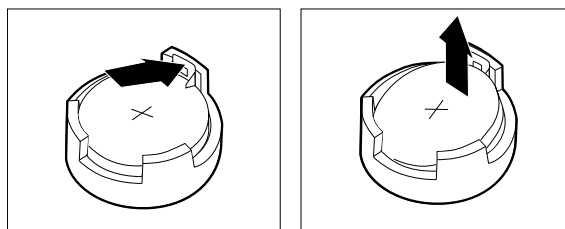
Important

Refer to “Safety notices (multi-lingual translations)” on page 6 for information about replacing and disposing of the battery.

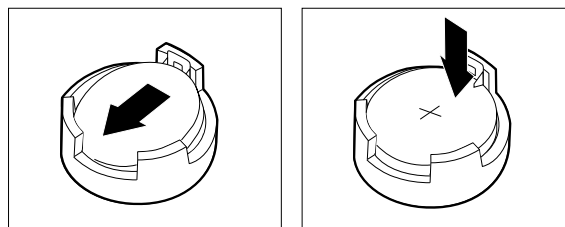
CAUTION:

When replacing the lithium battery, use only Part Number 45C1566 or an equivalent type battery recommended by the manufacturer.

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Locate the battery. See the system board illustration for your machine type at “System board connectors” on page 68.
3. You might have to remove any PCI adapters that impede access to the battery.
4. Remove the old battery.



5. Install the new battery.



6. Replace any PCI adapters that were removed.

Note: When the computer is turned on for the first time after battery replacement, an error message might be displayed. This is normal after replacing the battery.

7. Go to “Completing the FRU replacement” on page 95.

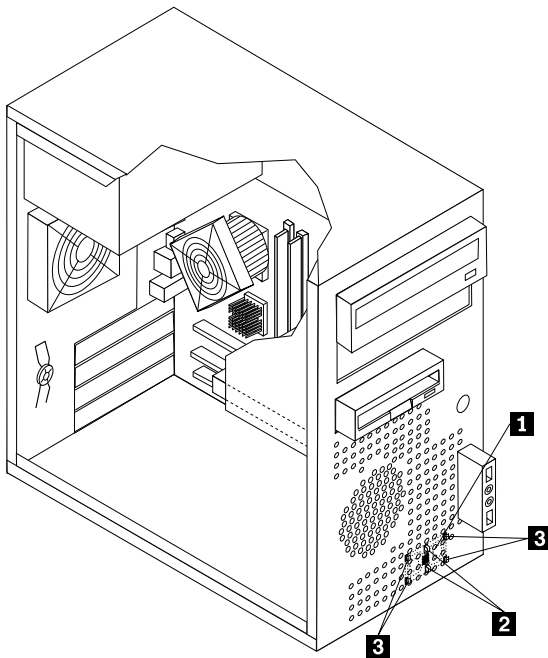
Replacing the Internal speaker

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to:
<http://www.lenovo.com/support>

This section provides instructions on how to replace the internal speaker.

1. Remove the computer cover. See “Removing the computer cover” on page 69.
2. Remove the front bezel. See “Removing and installing the front bezel” on page 70
3. Locate the internal speaker connector on the system board. See “System board connectors” on page 68.
4. Disconnect the internal speaker cable from the system board.
5. Use a blunt instrument (such as, the top of a ball point pen) to disengage one of the internal-speaker-locking tabs **2** and slide that side of the speaker **1** upward enough to keep the locking tab disengaged. Then disengage the other internal-speaker-locking tab and slide the internal speaker upward until the speaker is released.



6. Route the speaker cable and then position the new internal-speaker tabs **3** into the metal speaker slots and then push the internal speaker downward until the speaker-locking tabs snap into position.
7. Connect the speaker cable to the system board. See “System board connectors” on page 68.
8. Go to “Completing the FRU replacement” on page 95.

Completing the FRU replacement

After replacing FRUs, you need to install any removed parts, replace the cover, and reconnect any cables, including telephone lines and power cords. Also, depending on the FRU that is replaced, you might need to confirm the updated information in the Setup Utility program.

Note: When the power cord is first plugged in, the computer might appear to turn on for a few seconds and then turn off. This is a normal sequence to enable the computer to initialize.

1. Ensure that all components have been reassembled correctly and that no tools or loose screws are left inside your computer.
2. Replace the cover.
3. Reconnect the external cables and power cords to the computer. See “Rear connectors” on page 67.
4. If you have replaced the system board, you must update (flash) the BIOS. See “Flash update procedures” on page 521.
5. Some FRU replacements require the configuration to be updated. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39.

Chapter 9. Replacing FRUs (Types 7259, 7267, 7269, 7279, 7290, 7297, 7303, 7306, 7408, 7487, 7506 and 7514)

Important

Before you replace any FRU, read Chapter 2 “Safety information” on page 3. These precautions and guidelines will help you work safely.

FRU replacements are to be done by trained service technicians only.

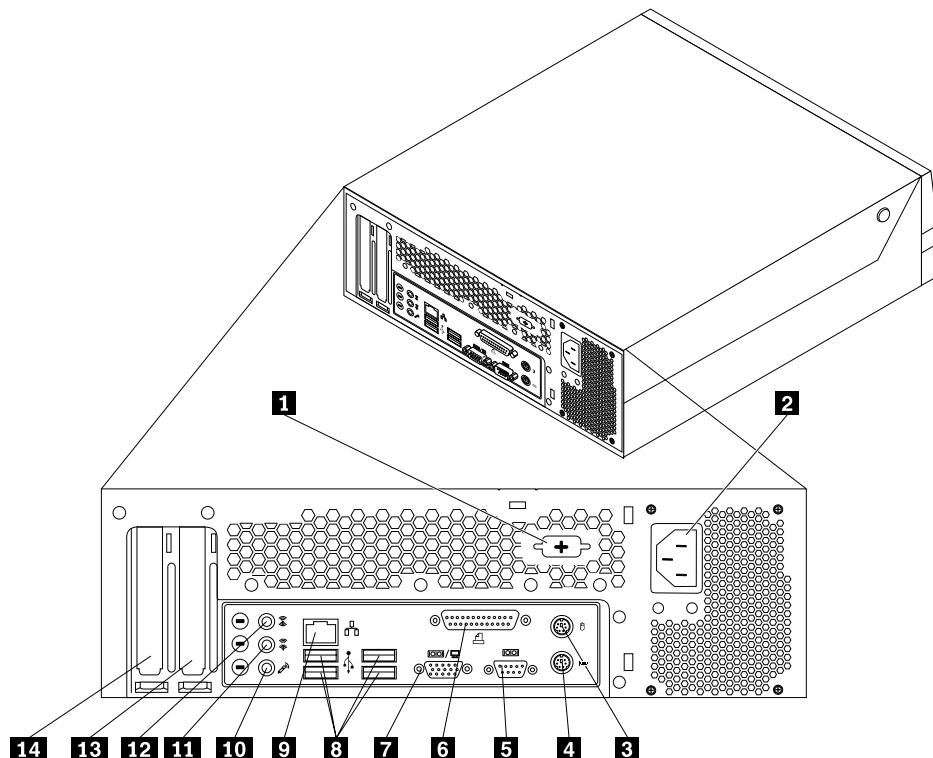
This chapter does not contain a remove and replace procedure for all FRUs. Only the major FRUs are documented.

Locations

The following illustrations will help when locating connectors, controls and components of the computer.

Rear connectors

The following illustration shows the locations of the connectors on the rear of the computer.



- | | |
|--------------------------------------|------------------------------------|
| 1 Serial port (some models) | 8 USB connectors (4) |
| 2 Power cord connector | 9 Ethernet connector |
| 3 Standard mouse connector | 10 Microphone connector |
| 4 Standard keyboard connector | 11 Audio line-out connector |
| 5 Serial port | 12 Audio line-in connector |

6 Parallel port

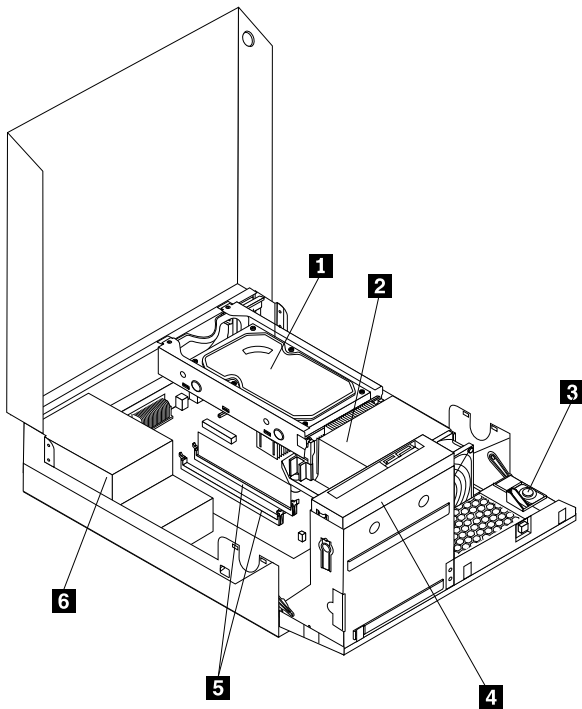
7 VGA monitor connector

13 PCI Express x16 graphics adapter card slot

14 PCI adapter card slot

Computer components

The following illustration will help you locate the major FRUs in the computer.



1 Hard disk drive

2 Microprocessor, heat sink and fan assembly

3 Internal speaker (some models)

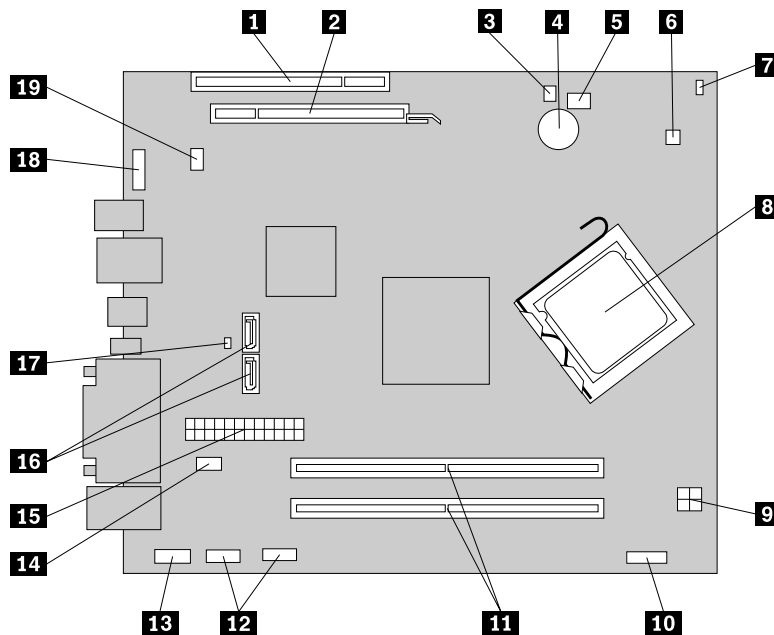
4 Optical drive

5 Memory slots (2)

6 Power supply assembly

System board connectors

This illustration is to help locate the various system board connectors.



- | | |
|--|--|
| 1 PCI adapter card slot | 11 Memory slots (2) |
| 2 PCI Express x16 graphics adapter card slot | 12 Front USB connectors (2) |
| 3 Internal speaker connector | 13 Serial (COM 2) connector |
| 4 Battery | 14 Power fan connector |
| 5 Microprocessor fan connector | 15 24-pin power connector |
| 6 Thermal sensor connector | 16 SATA connectors (2) |
| 7 Cover presence (Intrusion) switch connector | 17 Clear CMOS (Complementary Metal Oxide Semiconductor)/Recovery jumper |
| 8 Microprocessor | 18 Front audio connector |
| 9 4-pin power connector | 19 System fan connector |
| 10 Front panel connector | |

Opening the cover

CAUTION:



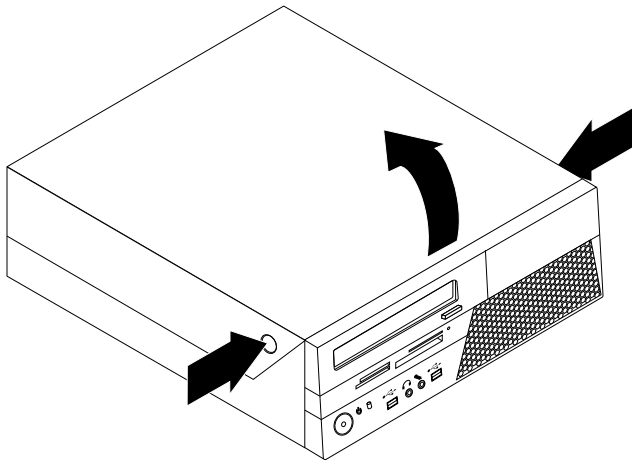
The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

This section provides instructions on how to remove the cover.

To open the computer cover:

1. Remove any media from the drives, shut down your operating system, and turn off all attached devices and the computer.
2. Unplug all power cords from electrical outlets.
3. Disconnect the cables attached to the computer. This includes power cords, input/output (I/O) cables, and any other cables that are connected to the computer.
4. Remove any locking devices, such as a cable lock that secures the computer cover.

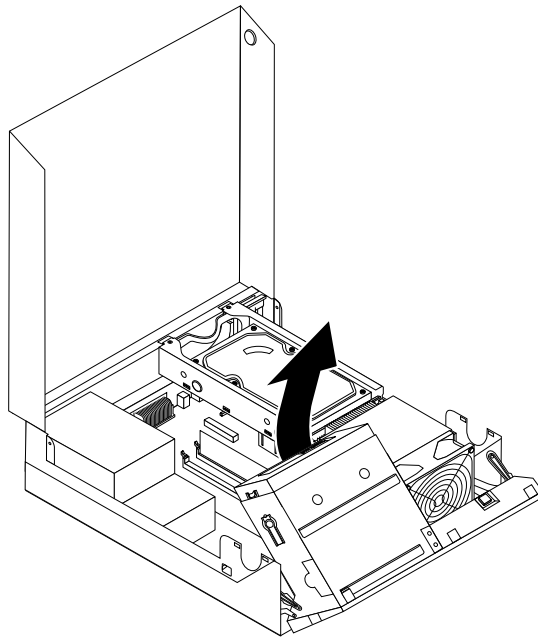
5. Press the buttons on the sides of the computer and pivot the computer cover upward to open.



Accessing system board components and drives

To access system board components and the drives:

1. Open the computer cover. See “Opening the cover” on page 99.
2. On some models, you might need to pivot the drive bay assembly upward and remove the hard disk drive to access the internal components.
3. Make sure you note the location of any cables that you disconnect from the drives or the system board.



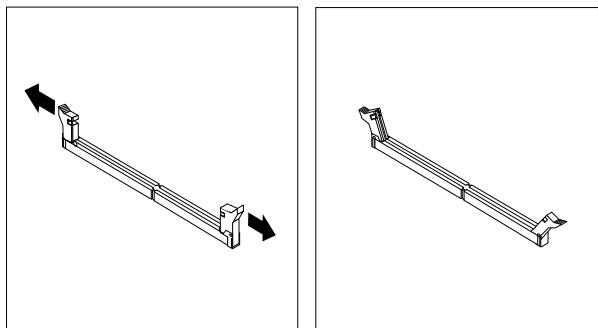
Replacing a memory module

Attention

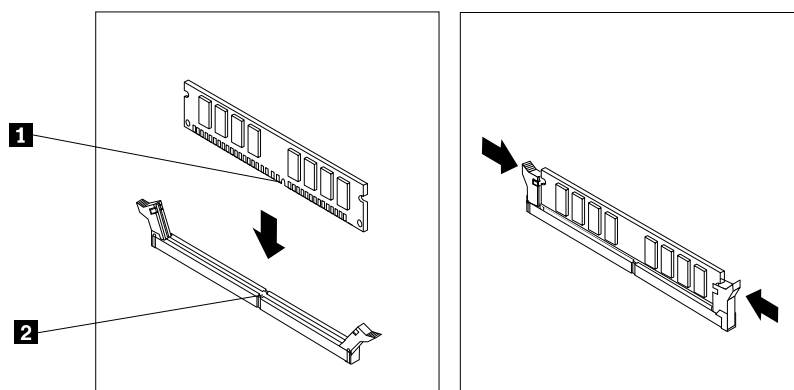
Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

This section provides instructions on how to remove and replace a memory module.

1. Open the computer cover. See “Opening the cover” on page 99.
2. Pivot the drive bay assembly upward to access the memory slots. See “Accessing system board components and drives” on page 100.
3. Remove any parts that might prevent your access to the memory slots.
4. Locate the memory slots.
5. Open the retaining clips.



6. Position the memory module over the memory slot. Make sure that the notch **1** on the memory module aligns correctly with the slot key **2** on the system board. Push the memory module straight down into the slot until the retaining clips close.



Replacing the battery

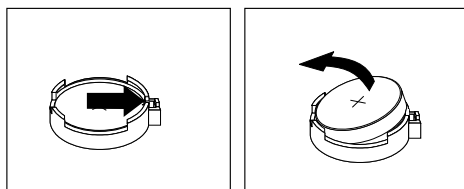
Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

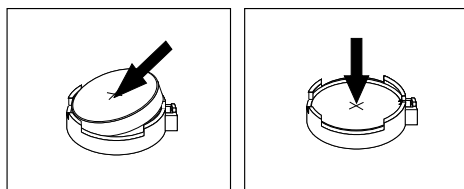
This section provides instructions how to remove a CMOS battery.

To replace the battery:

1. Open the computer cover. See “Opening the cover” on page 99.
2. Locate the battery. See “System board connectors” on page 98.
3. Remove the old battery.



4. Install a new battery.



5. Close the computer cover and connect the cables. See “System board connectors” on page 98.

Note: When the computer is turned on for the first time after replacing the battery, an error message might be displayed. This is normal after replacing the battery.

6. Go to “Completing the FRU replacement” on page 118.

Replacing the power supply

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

Attention

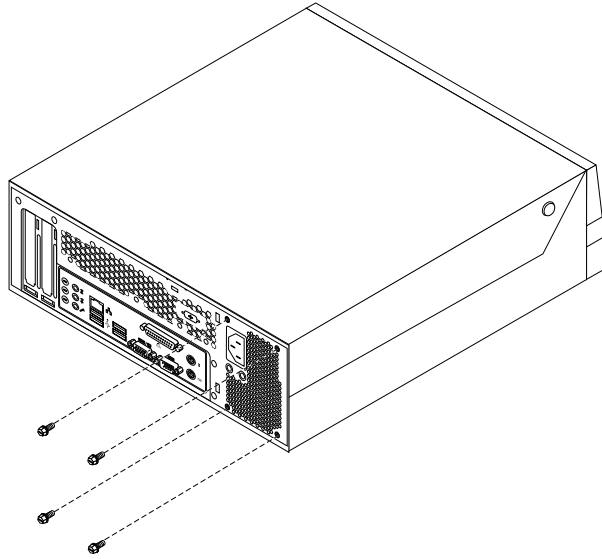
Never remove the cover on a power supply or any part that has the following label attached.



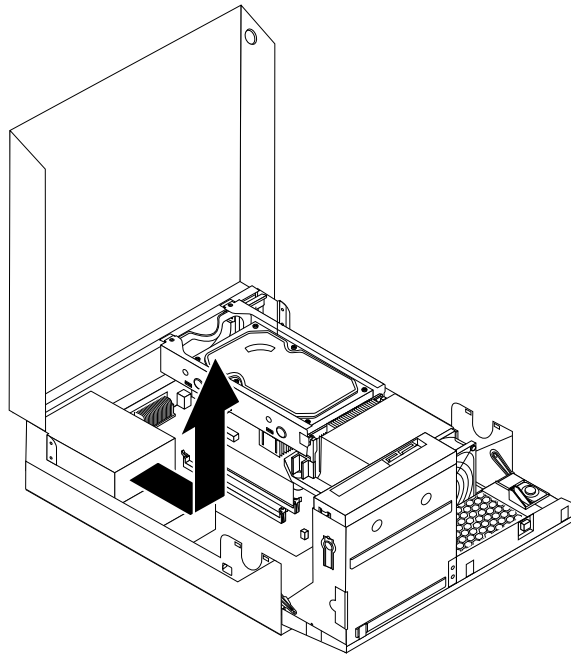
Hazardous voltage, current, and energy levels are present inside any component that has this label attached. There are no serviceable parts inside these components.

This section provides instructions on how to remove and replace the power supply.

1. Remove the four screws at the rear of the chassis that secure the power supply assembly.



2. Open the computer cover. See “Opening the cover” on page 99.
3. Pivot the drive bay assembly upward to gain access to the power supply assembly.
4. Locate the power supply assembly. See “Computer components” on page 68.
5. Disconnect the power supply assembly cables from all drives and from the power connectors.
6. Remove the power supply assembly cables from the cable clips and ties.
7. Slide the power supply assembly away from the chassis and remove it from the computer.



8. Install the new power supply assembly into the chassis so that the screw holes in the new power supply assembly align with those in the chassis.
 9. Install and tighten the four screws at the rear of the chassis to secure the power supply assembly.
- Note:** Use only the screws provided by Lenovo.
10. Reconnect all the power supply assembly cables to the drives and the system board.

11. Go to “Completing the FRU replacement” on page 118.

Replacing the system board

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

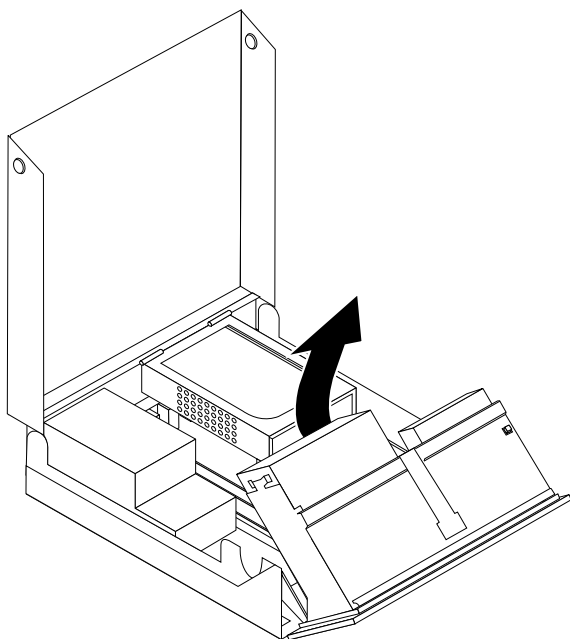
CAUTION:



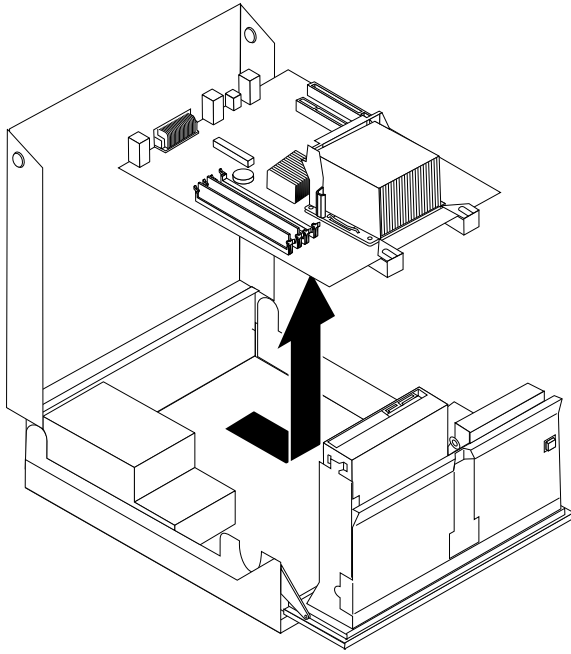
The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

This section provides instructions on how to remove and replace the system board.

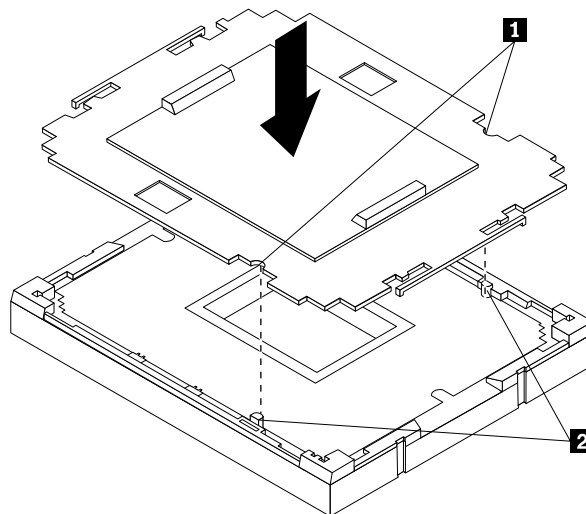
1. Open the computer cover. See “Opening the cover” on page 99.
2. Pivot the drive-bay assembly upward to gain easier access to the system board.



3. Disconnect all cables connected to the system board. See “System board connectors” on page 98.
4. Remove the hard disk drive and disconnect it from the system board. See “Replacing the hard disk drive” on page 110.
5. Remove any adapter cards installed in the PCI connectors. See “Installing or replacing an adapter card” on page 116.
6. Remove the heat sink and microprocessor from the failing system board. See “Replacing the microprocessor” on page 107.
7. Remove the memory modules from the failing system board and install them into the same position on the new system board. See “Replacing a memory module” on page 100.
8. Slide the failing system board toward the front until it can be lifted out of the chassis.

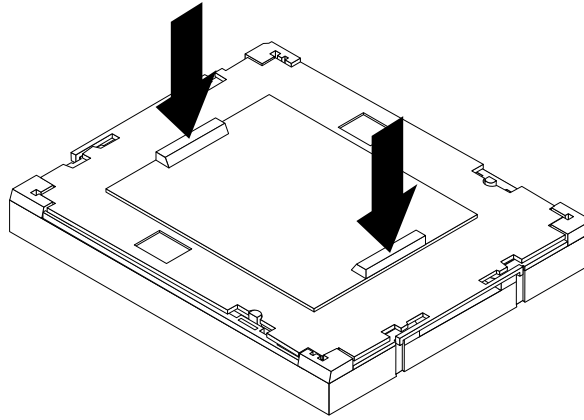


9. The failing system board must be returned with a microprocessor socket cover to protect the pins during shipping and handling. Install the microprocessor socket cover removed from the new system board on the failing system board. To install the microprocessor socket cover:
- Release the lever securing the microprocessor retainer and open the retainer to access the microprocessor.
 - Grasp the microprocessor on the sides and lift it straight up and out of the socket. Do not touch the contacts on the microprocessor socket.
 - Align the notches **1** of the microprocessor socket cover with the alignment keys **2** of the microprocessor socket. Lower the socket cover straight down into the microprocessor socket on the system board.

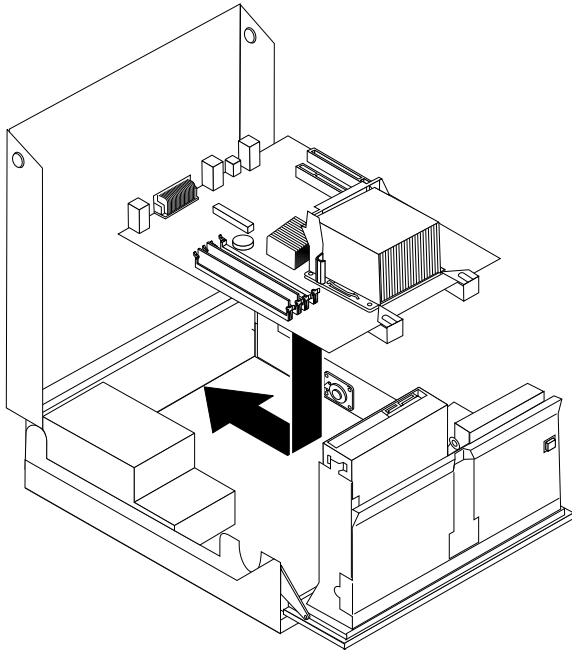


Note: Your microprocessor socket and cover might look slightly different from the illustration.

- Carefully press the socket cover straight downwards until it is secured into the socket.



- e. Lower the microprocessor retainer and then lower the lever to secure the retainer. Make sure the lever is securely locked into position.
 - f. Follow any additional instructions included with the replacement part you received.
10. Position the new system board so that it is aligned with the mounting studs then slide it to the rear of the chassis until it is fully seated.



11. Reinstall any PCI adapters that were removed. See “Installing or replacing an adapter card” on page 116.
12. Reinstall the hard disk drive and connect the cables to the new system board. See “Replacing the hard disk drive” on page 110.
13. Reinstall the heat sink and microprocessor to the new system board. See “Replacing the microprocessor” on page 107.
14. Reinstall the memory modules into the same position on the new system board. See “Replacing a memory module” on page 100.
15. Reconnect all cables that were disconnected from the system board. See “System board connectors” on page 98.
16. Go to “Completing the FRU replacement” on page 118.

Replacing the microprocessor

Attention

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CAUTION:

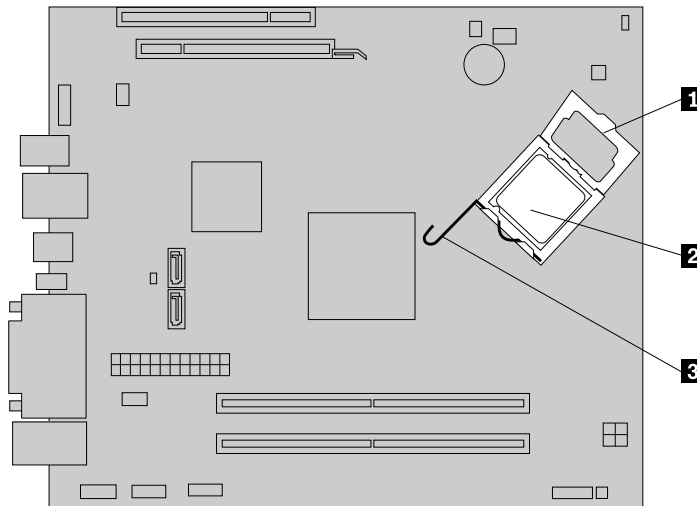


The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

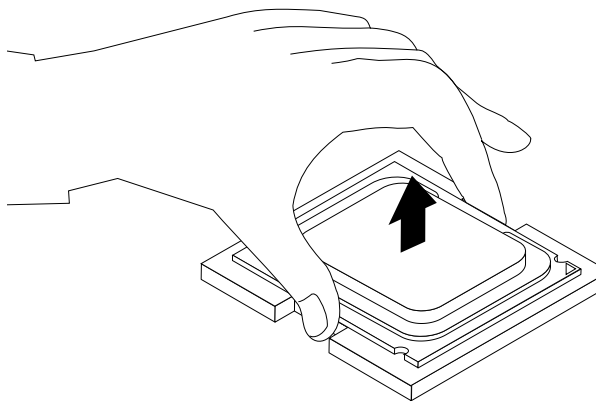
This section provides instructions on how to replace the microprocessor.

To replace the microprocessor:

1. Open the computer cover. See “Opening the cover” on page 99.
2. Remove any parts or cables that may prevent your access to the system board.
3. Remove the heat sink and fan assembly. See “Replacing the heat sink and fan assembly” on page 74.
4. Place the heat sink and fan assembly on its side so that the thermal grease does not come in contact with anything.
5. Lift the small handle **3** and open the retainer **1** to access the microprocessor **2**.

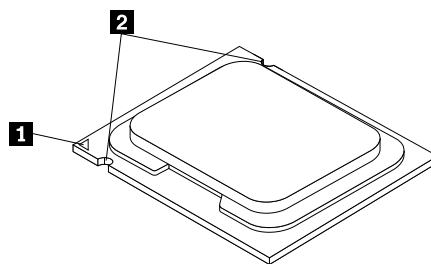


6. Lift the microprocessor straight up and out of the socket.

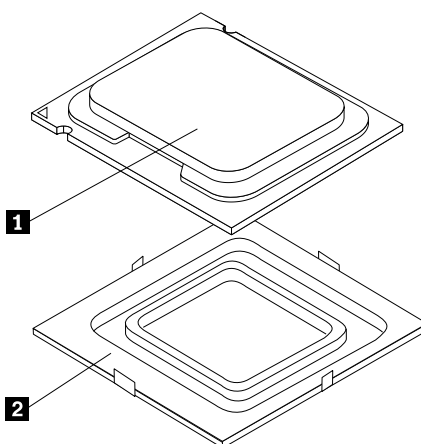


Notes:

- a. Your microprocessor and socket might look different from the one illustrated.
- b. Note the orientation of the microprocessor in the socket. You can either look for the small triangle **1** on one corner of the microprocessor or note the orientation of the notches **2** on the microprocessor. This is important when installing the new microprocessor on the system board.



- c. Touch only the sides of the microprocessor. Do not touch the gold contacts on the bottom.
 - d. Do not drop anything onto the microprocessor socket while it is exposed. The socket pins must be kept as clean as possible.
7. Make sure that the small handle is in the raised position.
 8. Remove the protective cover **2** that protects the gold contacts on the new microprocessor **1**.



9. Hold the new microprocessor and align the notches on it with the tabs in the microprocessor socket, or align the small triangle on one corner with the corresponding beveled corner of the microprocessor socket.
10. Lower the new microprocessor straight down into the microprocessor socket on the system board.

11. Close the microprocessor retainer and lock it into position with the small handle to secure the new microprocessor in the socket.
12. Reinstall the heat sink and fan assembly. See “Replacing the heat sink and fan assembly” on page 74.
13. Reinstall any other parts or reconnect any other cables you removed.
14. Go to “Completing the FRU replacement” on page 118.

Replacing the heat sink and fan assembly

Attention

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CAUTION:

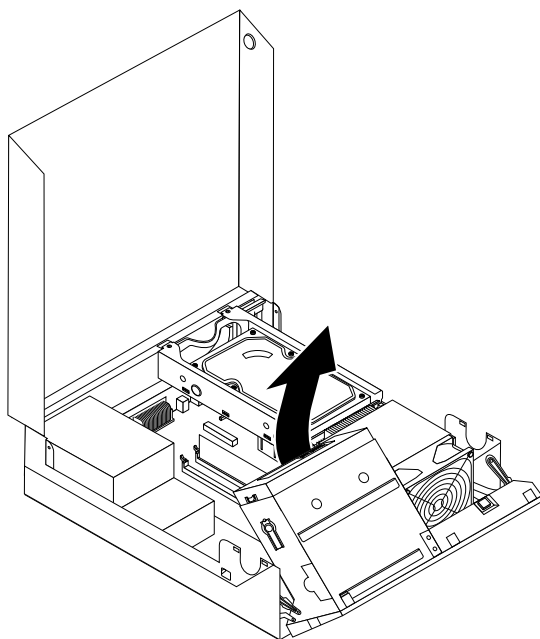


The heat sink and microprocessor might be very hot. Turn off the computer and wait three to five minutes to let the computer cool before opening the computer cover.

This section provides instructions on how to replace the heat sink and fan assembly.

To replace the heat sink and fan assembly:

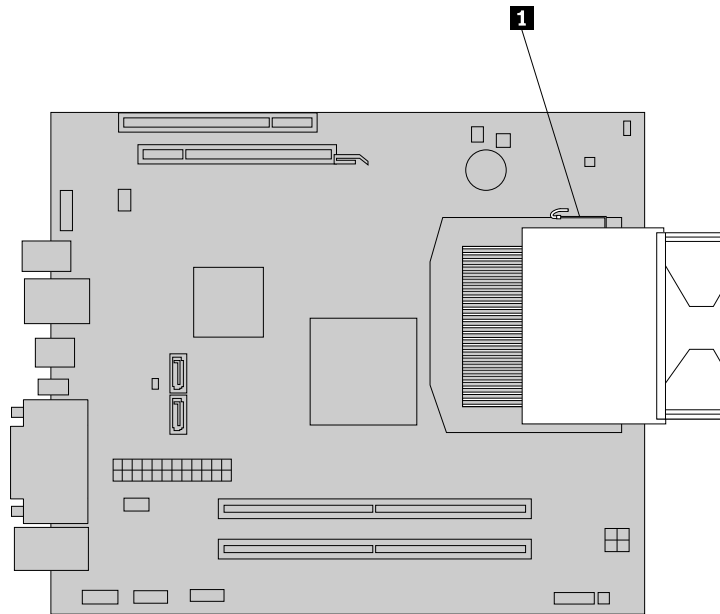
1. Open the computer cover. See “Opening the cover” on page 99.
2. Pivot the drive bay assembly upward to gain access to the heat sink and fan assembly.



3. Locate the heat sink and fan assembly and disconnect the heat sink and fan assembly cable from the system board. See “System board connectors” on page 98.
4. Remove the heat sink and fan assembly from the system board by pivoting the lever **1** that secures the heat sink and fan assembly until the lever is fully in the up position. Carefully lift the heat sink and fan assembly off the system board.

Notes:

- a. You might have to gently twist the heat sink and fan assembly to free it from the microprocessor.
- b. Do not touch the thermal grease while handling the heat sink and fan assembly.



5. Place the new heat sink and fan assembly into position and lower the lever to secure the new heat sink and fan assembly.
6. Connect the heat sink and fan assembly cable to the microprocessor fan connector on the system board. See “System board connectors” on page 98.
7. Go to “Completing the FRU replacement” on page 118.

Replacing the hard disk drive

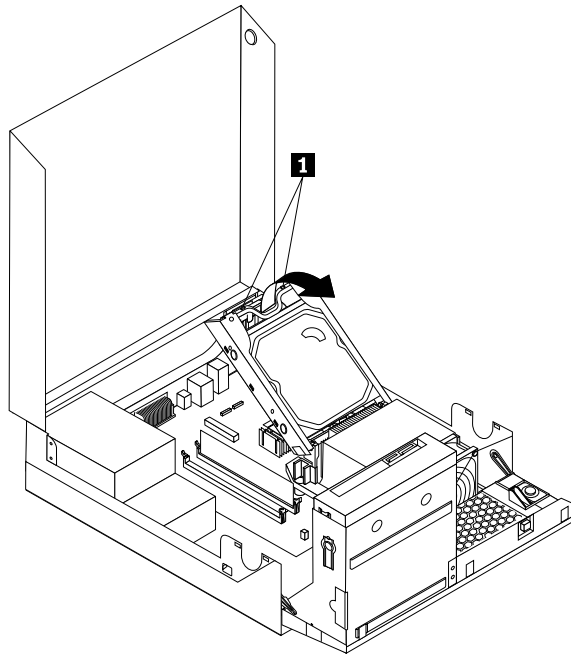
Attention

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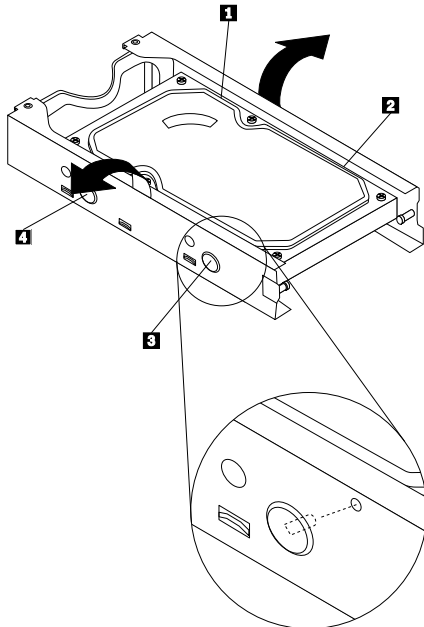
This section provides instructions on how to replace the hard disk drive.

To replace the hard disk drive:

1. Open the computer cover. See “Opening the cover” on page 99.
2. You might need to pivot the drive bay assembly upward to gain easy access to the hard disk drive.
3. Locate the hard disk drive.
4. Push the blue handle of the hard disk drive bracket inwards to release the two clips **1** that secure the hard disk drive to the chassis, and then rotate the hard disk drive upwards and lift it up to remove it from the computer.



5. Disconnect the signal cable and the power cable from the hard disk drive.
6. Remove the old hard disk drive from the bracket by flexing the sides of the bracket enough to slide it free from the hard disk drive.
7. To install a new hard disk drive into the bracket, flex the bracket and align pin **1**, pin **2**, pin **3**, and pin **4** on the bracket with the holes in the hard disk drive.



Important: Do not touch the circuit board on the bottom of the hard disk drive.

8. Connect the signal cable and the power cable to the new hard disk drive.
9. Install the new hard disk drive and bracket into the rear retainer and rotate down until the two clips on the blue handle of the hard disk drive bracket snap into position.
10. Go to “Completing the FRU replacement” on page 118.

Replacing the optical drive

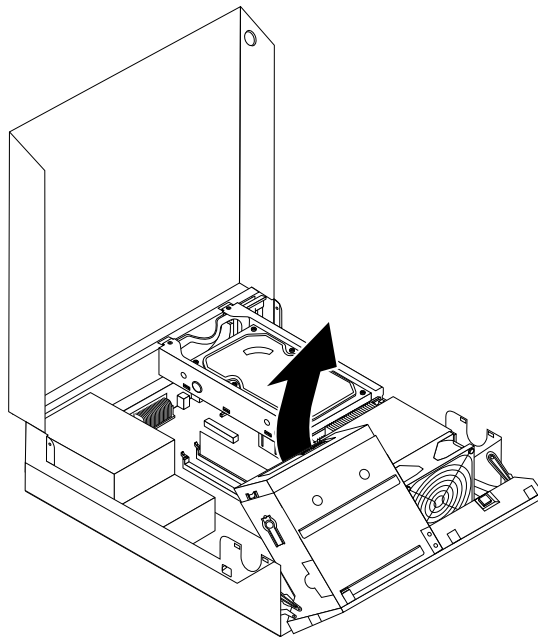
Attention

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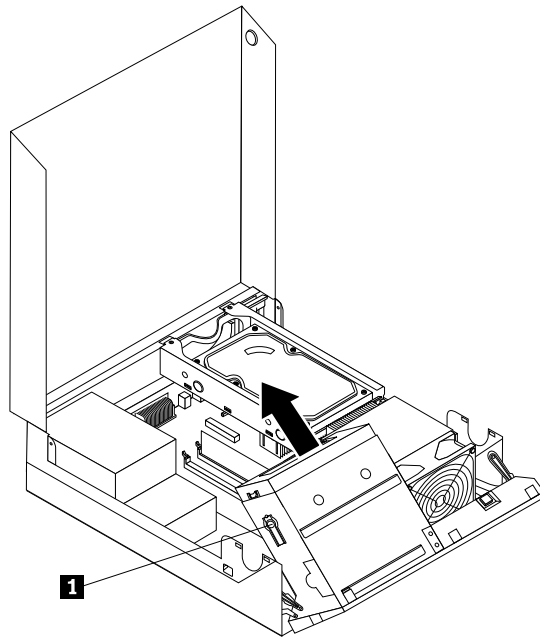
This section provides instructions on how to replace the optical drive.

To replace the optical drive:

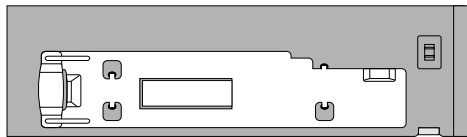
1. Open the computer cover. See “Opening the cover” on page 99.
2. Pivot the drive bay assembly upward to gain access to the optical drive.



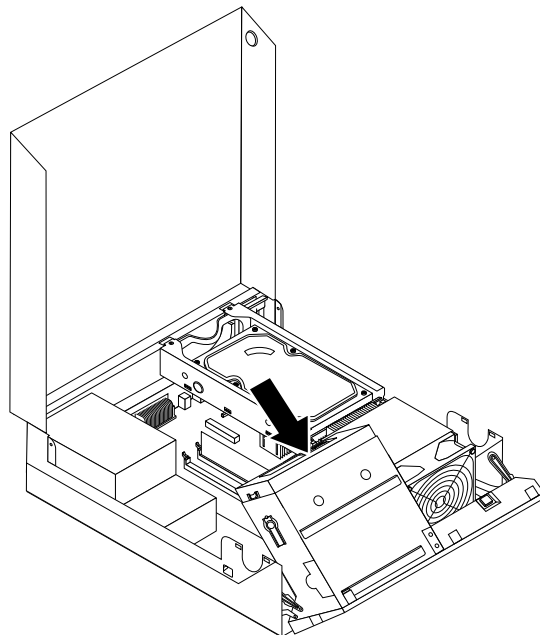
3. Disconnect the signal cable and the power cable from the rear of the optical drive.
4. Press the optical drive lock **1** and slide the optical drive out of the rear of the drive bay assembly.



5. Remove the optical drive retainer from the drive being replaced and then install the retainer on the left side of the new drive to be installed.



6. Install the new optical drive into the bay until it snaps into position.



7. Connect the signal and power cables to the rear of the optical drive.
8. Go to “Completing the FRU replacement” on page 118.

Replacing the internal speaker

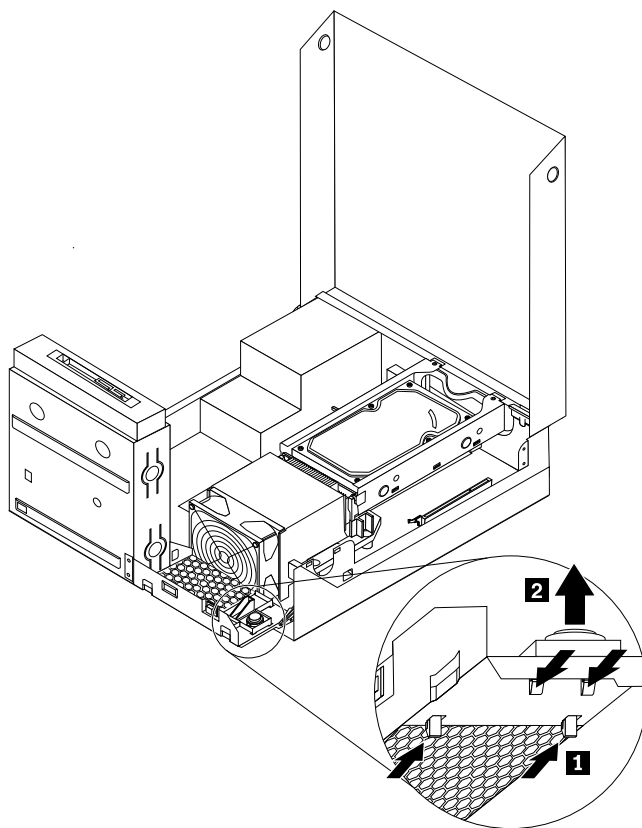
Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

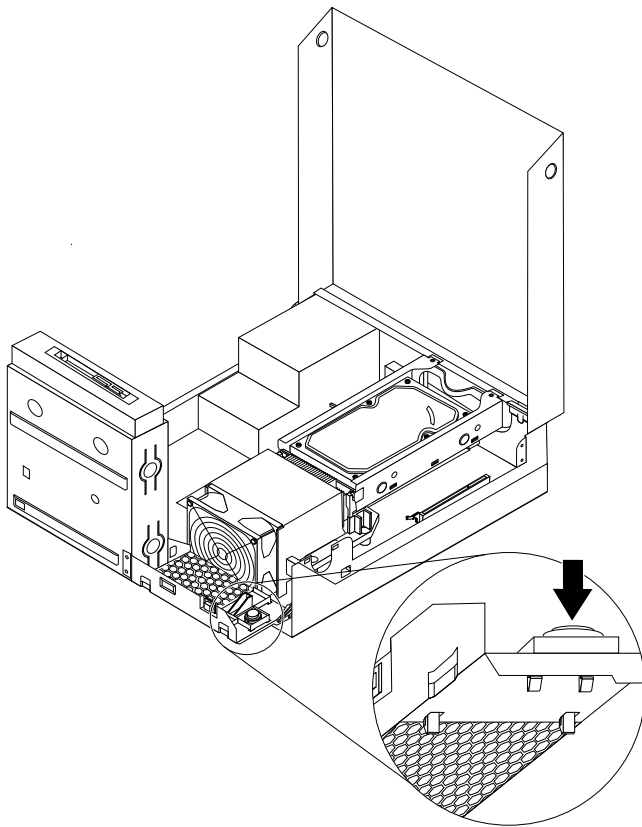
This section provides instructions on how to replace the internal speaker.

To replace the internal speaker:

1. Open the computer cover. See “Opening the cover” on page 99.
2. Remove the front bezel by releasing the three tabs.
3. Pivot the drive bay assembly upward to gain access to the internal speaker. See “Accessing system board components and drives” on page 100.
4. Locate the internal speaker. See “Computer components” on page 98.
5. Disconnect the internal speaker cable and the thermal sensor cable from the internal speaker connector and the thermal sensor connector on the system board. See “System board connectors” on page 98.
6. Push the four tabs **1** on the bottom of the internal speaker one by one to release the internal speaker, and then lift the internal speaker **2** straight up to completely remove it from the chassis.



7. Remove the thermal sensor cable latched on the bottom of the old internal speaker and install it on the new internal speaker.
8. Align the four tabs on the bottom of the new internal speaker with the corresponding holes in the chassis, and push the new internal speaker straight down until it snaps into position.



9. Reconnect the internal speaker cable and the thermal sensor cable to the system board.
10. Go to “Completing the FRU replacement” on page 118.

Replacing the power switch/LED assembly

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

This section provides instructions on how to remove and replace the power switch/LED assembly.

1. Open the computer cover. See “Opening the cover” on page 99.
2. Remove the front bezel.
3. Disconnect the power switch/LED assembly cable from the system board. “System board connectors” on page 98
4. Remove the screw that secures the power switch/LED assembly to the chassis.
5. Remove the power switch/LED assembly from the chassis.
6. Install the power switch/LED assembly into the chassis and secure the assembly with the screw.
7. Connect the power switch/LED cable to the system board.
8. Reinstall the front bezel.
9. Go to “Completing the FRU replacement” on page 118.

Replacing the card reader

Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

This section provides instructions on how to replace the card reader.

To replace the card reader:

1. Open the computer cover. See “Opening the cover” on page 99.
2. Pivot the drive bay assembly upward to gain access to the card reader. See “Computer components” on page 98.
3. Locate the card reader.
4. Disconnect the card reader cable from the front USB connector on the system board. See “System board connectors” on page 98.
5. Remove the screw that secures the card reader to the chassis.
6. Remove the card reader from the chassis.
7. Install a new card reader into the chassis and align the screw hole in the new card reader with the hole in the chassis.
8. Install the screw to secure the new card reader to the chassis.
9. Reconnect the card reader cable to the system board.
10. Go to “Completing the FRU replacement” on page 118.

Installing or replacing an adapter card

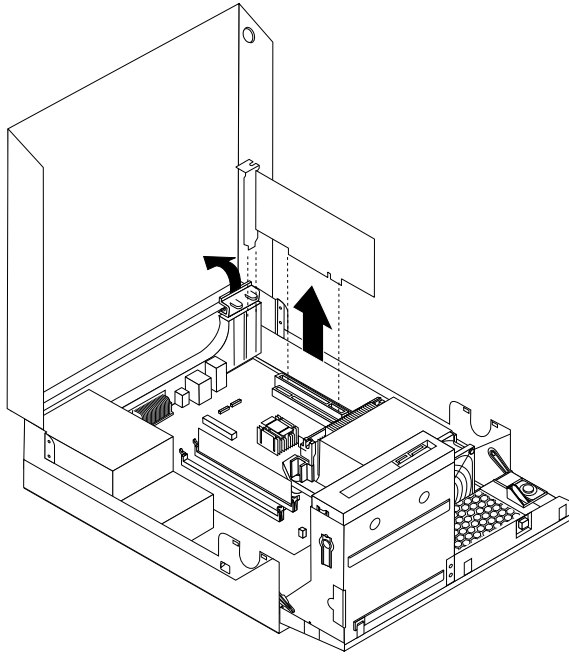
Attention

Do not open your computer or attempt any repair before reading and understanding the “Important safety information” in the *ThinkCentre Safety and Warranty Guide* that came with your computer. To obtain a copy of the *ThinkCentre Safety and Warranty Guide*, go to: <http://www.lenovo.com/support>

This section provides instructions on how to install or replace an adapter card. Your computer has one standard PCI adapter card slot and one PCI Express x16 graphics adapter card slot.

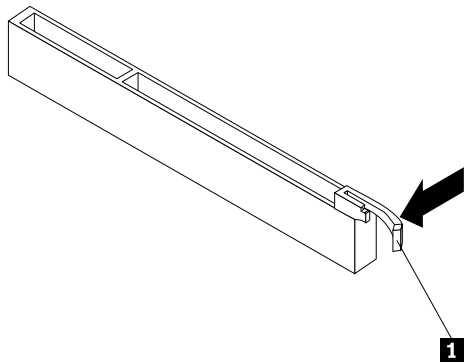
To install or replace an adapter card:

1. Open the computer cover. See “Opening the cover” on page 99.
2. Rotate the adapter card retainer to the open position. Remove the appropriate slot cover. If you are replacing an adapter card, remove the adapter card that is currently installed.

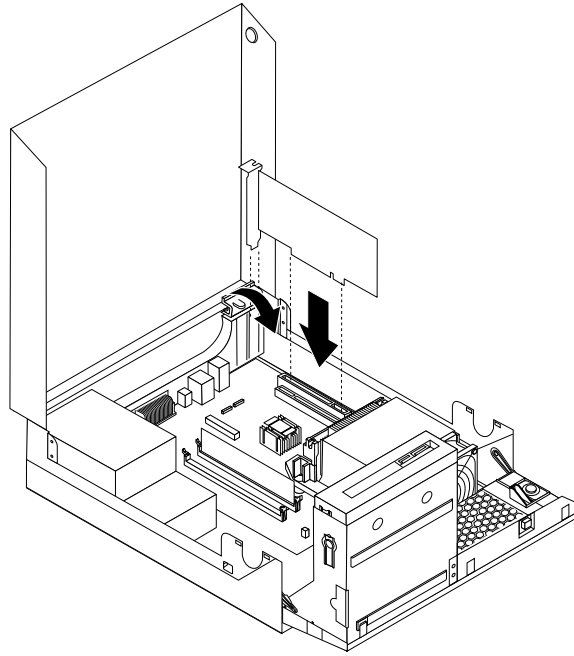


Notes:

- a. The adapter card fits tightly into the card slot. If necessary, alternate moving each side of the adapter card a small amount until it is removed from the adapter card slot.
- b. If the adapter card is held in place by a retaining latch, press the adapter card retaining latch **1** as shown to disengage the latch. Grasp the adapter card and then gently pull the adapter card out of the slot.



3. Remove the new adapter card from its static-protective package.
4. Install the adapter card into the appropriate adapter card slot on the system board. See “System board connectors” on page 98.



5. Rotate the adapter retainer to the closed position.
6. To complete the installation, go to “Completing the FRU replacement” on page 118.

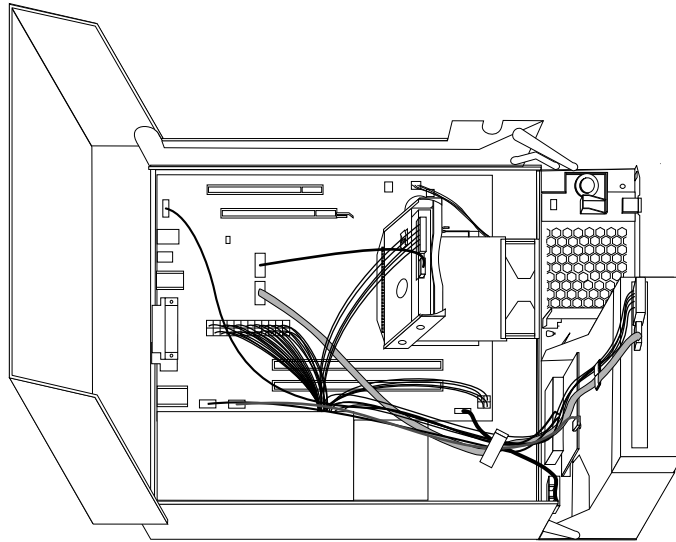
Completing the FRU replacement

After replacing FRUs, you need to install any removed parts, replace the cover, and reconnect any cables, including telephone lines and power cords. Also, depending on the FRU that is replaced, you might need to confirm the updated information in the Setup Utility program.

Note: When the power cord is first plugged in, the computer might appear to turn on for a few seconds and then turn off. This is a normal sequence to enable the computer to initialize.

1. Ensure that all components have been reassembled correctly and that no tools or loose screws are left inside your computer.
2. Reposition any cables that might impede the replacement of the computer cover.

Important: Correctly route all power supply cables to avoid interference with the drive bay assembly. Keep cables clear of the hinges and sides of the computer chassis.



3. Lower the drive bay assembly and place the drive locks to the locked position. Otherwise, you cannot close the computer cover.
4. Reconnect the external cables and power cords to the computer. See “Rear connectors” on page 97.
5. If you have replaced the system board, you must update (flash) the BIOS. See “Flash update procedures” on page 521.
6. Some FRU replacements require the configuration to be updated. See Chapter 6 “Diagnostics, Test and Recovery Information” on page 39.

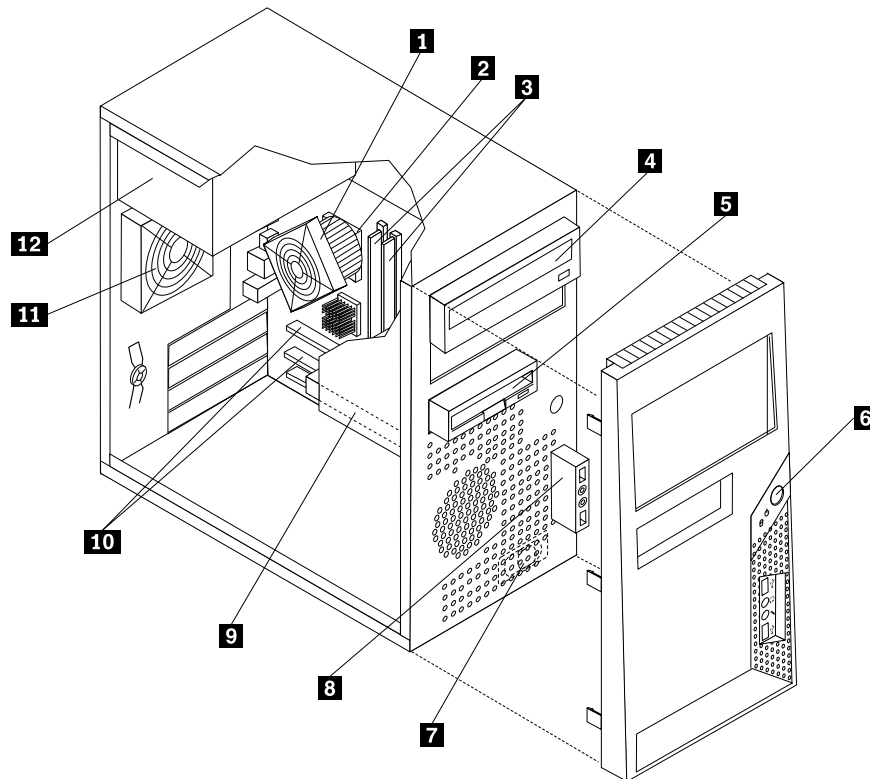
Chapter 10. FRU lists

Attention: Read “Important information about replacing RoHS compliant FRUs” on page 1 before replacing any FRUs.

Note: In the following tables, a CRU (Customer Replaceable Unit) is identified as either "1", "2", or "N" in the CRU column. "N" means that the part is not a CRU, "1" means that the part is a Self-service CRU, and "2" means that the part is an Optional-service CRU.

Overall: MT 7258, 7260, 7268, 7270, 7280, 7296, 7298, 7304, 7307,7413, 7491, and 7508

The following replaceable components are available for the 7258, 7260, 7268, 7270, 7280, 7296, 7298, 7304, 7307,7413, 7491, and 7508 machine type models.



Item #	FRUs	FRU #	CRU
1	Heat sink, Intel 95W/65W • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9409	2
1	Heat sink, Intel 95W/65W • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9897	2
1	Heat sink, Intel 65W • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6227	2

Item #	FRUs	FRU #	CRU
1	Heat sink, Intel 65W • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9708	2
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R8640	N
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C7735	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: • MT 7304: • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: Q8V Q9V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C7737	N
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45R8337	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R1622	N
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV,EIST,EM64T,EDB) 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: R1V R2V R3V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	53Y6653	N
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV,EIST,EM64T,EDB) 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A9G • MT 7307: • MT 7491: C5U C5F • MT 7508:	53Y6654	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C5349	N
2	Microprocessor, E5200 800MHz 2M M-0 65W, 45nm • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R9512	N
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST,EM64T,EDB) 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	53Y9049	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R1655	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST,EM64T,EDB) M0 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	53Y9051	N
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W • MT 7258: • MT 7260: • MT 7268: • MT 7270: B6J B7J • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R9514	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R8644	N
2	Microprocessor, Q8300 Yorkfield 2.5GHZ,1333MHz,4M R-0 (ViiV,EIST,EM64T,EDB) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	53Y6656	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: Q8V Q9V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C7740	N
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C7741	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E5400 2.70G 800MHz-2MB R-0 65W Non-vPro • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: Q4V Q5V • MT 7304: A8G • MT 7307: • MT 7491: • MT 7508:	64Y1075	N
2	Microprocessor, E7600 3.06GHZ 1066M 3M 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: B4J B5J • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y3486	N
2	Microprocessor, Q8400 2.66GHZ,1333MHz,4M 95W • MT 7258: • MT 7260: • MT 7268: • MT 7270: B1J B2J B3J • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y3488	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E6300 2.8G 1066MHz-2MB 65W • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y3484	N
2	Microprocessor, E6500 2.93GHZ 1066 MHz-2MB 65W R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y6250	N
2	Microprocessor, E3300 2.5GHZ 800 MHz-1MB 65W R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y6252	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E3200 2.4GHZ 800 MHz-1MB 65W R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y6251	N
2	Microprocessor, E5500 2.8G 800MHz- 2MB R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y8073	N
2	Microprocessor, E6600 3.06GHZ/1066MHZ/2M 65W R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y0198	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E3400 2.6GHZ/800MHZ/1M 65W R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y0207	N
2	Microprocessor, Q9505 2.83GHz 1333 MHz 6MB R-0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y6354	N
2	Microprocessor, Q9500 2.83GHZ,1333M,6M, R-0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y8996	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E5700 3.0G 800MHz- 2MB R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T6007	N
2	Microprocessor, E5800 3.2G 800MHz- 2MB R0 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T9010	N
3	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41X4255	1

Item #	FRUs	FRU #	CRU
3	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41X4256	1
3	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41X4257	1
3	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41X1079	1

Item #	FRUs	FRU #	CRU
3	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41X1080	1
3	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41X1081	1
4	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: Q4V Q7V Q8V R1V R3V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41N3325	1

Item #	FRUs	FRU #	CRU
4	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: • MT 7298: Q5V Q6V Q9V R2V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	43C1042	1
4	Optical drive, Blu-ray Recorder / DVD super multi • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: Q5V Q6V Q9V R2V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	53Y7643	1
4	Optical drive, DVD-ROM Drive - 16x/48x - SATA - for win 7 • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: Q4V Q7V Q8V R1V R3V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y5543	1

Item #	FRUs	FRU #	CRU
4	Optical drive, DVD Recorder Rambo 8 - SATA 12XRAM write - for win 7 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: Q5V Q6V Q9V R2V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	71Y5545	1
4	Optical drive, Blu-ray recorder / DVD super multi - for win 7 • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: Q5V Q6V Q9V R2V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y5547	1
5	Floppy diskette driver, 3.5" 1.44MB 2 mode FDD with bezel and cable • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	40Y9107	1

Item #	FRUs	FRU #	CRU
5	Floppy diskette driver, 3.5" 1.44MB 2 mode FDD with bezel and cable • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	40Y9105	1
6	Power switch / LED assembly • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9074	2
7	Internal speaker 400mm --optional • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9091	2

Item #	FRUs	FRU #	CRU
8	Front I/O cable_R (25L_A430_U280) • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9076	2
9	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: • MT 7304: A8G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	40Y9035	1
9	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: • MT 7304: A8G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	53Y6837	1

Item #	FRUs	FRU #	CRU
9	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A9G • MT 7307: • MT 7491: • MT 7508:	40Y9036	1
9	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A9G • MT 7307: • MT 7491: • MT 7508:	45K0408	1
9	Hard disk drive, SATA 320GB 7200rpm SATA/8MB • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	87H4891	1

Item #	FRUs	FRU #	CRU
9	Hard disk drive, SATA 320GB 7200rpm SATA/8MB • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45K0409	1
9	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41X5582	1
9	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45K0410	1

Item #	FRUs	FRU #	CRU
9	Hard disk drive, 1TB 7200rpm SATA • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45C5973	1
9	Hard disk drive, 1TB 7200rpm SATA • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45K0412	1
9	Hard disk drive, 150G 10K rpm,SATA • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R6400	1

Item #	FRUs	FRU #	CRU
10	System board, Intel G41 MATX(GA) -NB upgrade non-AMT - MT 7258: A1V - MT 7260: A1V - MT 7268: E1U E1F E1S E2U E2F E2S - MT 7270: C1G C2G - MT 7296: A1V - MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V - MT 7304: A8G A9G - MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7491: C5U C5F - MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	64Y9197	N
10	System board, Intel G41 MATX --EuP and No TCM header non-AMT - MT 7258: A1V - MT 7260: A1V - MT 7268: E1U E1F E1S E2U E2F E2S - MT 7270: C1G C2G - MT 7296: A1V - MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V - MT 7304: A8G A9G - MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7491: C5U C5F - MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	71Y6838	N
11	Rear fan - MT 7258: all models - MT 7260: all models - MT 7268: all models - MT 7270: all models - MT 7296: all models - MT 7298: all models - MT 7304: all models - MT 7307: all models - MT 7491: all models - MT 7508: all models	41R6269	2

Item #	FRUs	FRU #	CRU
11	System fan, 4 pin system fan for Tamdhu2 - MT 7258: all models - MT 7260: all models - MT 7268: all models - MT 7270: all models - MT 7296: all models - MT 7298: all models - MT 7304: all models - MT 7307: all models - MT 7491: all models - MT 7508: all models	41R6269	2
12	Power supply, ATX 450W 80% power supply; Robust, WW, JP - MT 7258: A1V - MT 7260: A1V - MT 7268: E1U E1F E1S E2U E2F E2S - MT 7270: C1G C2G - MT 7296: A1V - MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V - MT 7304: A8G A9G - MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7491: C5U C5F - MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41A9721	2
12	Power supply, ATX 280W power supply; Robust; Robust, WW - MT 7258: A1V - MT 7260: A1V - MT 7268: E1U E1F E1S E2U E2F E2S - MT 7270: C1G C2G - MT 7296: A1V - MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V - MT 7304: A8G A9G - MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7491: C5U C5F - MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41A9684	2

Item #	FRUs	FRU #	CRU
12	Power supply, ATX 280W power supply; WW, Robust, for Europe • MT 7258: A1V • MT 7260: A1V • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45J9436	2
12	Power supply, ATX 280W 80% power supply; Robust,WW, JP • MT 7258: A1V • MT 7260: A1V • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41A9665	2
12	Power supply, ATX 320W 88% power supply; WW, Robust,JP • MT 7258: A1V • MT 7260: A1V • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45J9410	2

Item #	FRUs	FRU #	CRU
12	Power supply, 280W watt ATX power supply (85 plus)-WW, Robust, JP • MT 7258: A1V • MT 7260: A1V • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45J9431	2

Mechanical FRUs

The FRUs listed in the following tables are not illustrated.

FRUs	FRU #	CRU
Thermal grease --ShinEtsu 7783D , 1g syringe • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	91P8835	N
Shield, 5.25 EMC FOR 1st ODD bay • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41N8080	1

FRUs	FRU #	CRU
Cable -SATA 420mm 2 latching, right angle • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	54Y9948	2
Intrusion switch assembly Tamdhu 475mm --optional • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	39K5022	2
Cable-SATA 250mm (RoHS) for 1st HDD • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9012	2

FRUs	FRU #	CRU
Second HDD bracket assembly for Tamdhulll • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41R6106	1
Temperature sense cable (6 pin 460 mm) • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45J9495	2
Front fan 2X500G HDD or 500GB+1TB only • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41R4791	2

FRUs	FRU #	CRU
FDD cable-Tamdhulll • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41A7182	2
FDD cable, 310mm • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41A7147	2
Card reader retainer -Tamdhull • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41R2913	1

FRUs	FRU #	CRU
No optical bezel kit - Tamdhu II • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41N8077	1
FRU, cover • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41N8050	1
FRU, I/O shield • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41N8053	2

FRUs	FRU #	CRU
FRU, Intrusion switch assembly • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41R6116	2
FRU, HDD tray, Tamdhu • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41R6291	1
FRU, assembly chassis without IBM mark, recycle • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9415	N

FRUs	FRU #	CRU
FRU, ODD/FDD/card reader retainers, Tamdhu • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9351	2
FRU blank 5.25" bezel, recycle • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9413	2
FRU, assembly bezel, without IBM mark, recycle • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9412	1

FRUs	FRU #	CRU
FRU, cable clip, FW-6D • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9462	2
3.5" convert 2.5" for 150GB 10K rpm HDD (1st HDD bay) • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9593	2
FRU, rear I/O shield, ATX, 946, FOF • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6266	2

FRUs	FRU #	CRU
FRU, Tamdhu chassis primary HDD cage • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6272	2
FRU, Tamdhu ruber foot (for acoustic improvement) • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6278	2
FDD EMC shield • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41N8078	1

FRUs	FRU #	CRU
No FDD bezel kit - Tamdhu II • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	41R6207	1
SATA cable, 455mm, no latch, RoHS • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	43N9131	1
Cabel-SATA 250mm (RoHS)-2 latching • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	54Y9929	1

FRUs	FRU #	CRU
FRU, cable clip FCW-29 • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6365	1
FRU, G41 DDR3 rear I/O shield • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6366	1
FRU, Tamdhu II chassis • MT 7258: all models • MT 7260: all models • MT 7268: all models • MT 7270: all models • MT 7296: all models • MT 7298: all models • MT 7304: all models • MT 7307: all models • MT 7491: all models • MT 7508: all models	45K6373	1

FRUs	FRU #	CRU
FRU, 4 pin system fan Tamdhu II - MT 7258: all models - MT 7260: all models - MT 7268: all models - MT 7270: all models - MT 7296: all models - MT 7298: all models - MT 7304: all models - MT 7307: all models - MT 7491: all models - MT 7508: all models	43N9908	1
Battery 3V-Lithium - MT 7258: A1V - MT 7260: A1V - MT 7268: E1U E1F E1S E2U E2F E2S - MT 7270: C1G C2G - MT 7296: A1V - MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V - MT 7304: A8G A9G - MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7491: C5U C5F - MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45C1566	1

Keyboard and Mouse

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
US English - MT 7258: - MT 7260: - MT 7268: - MT 7270: - MT 7296: - MT 7298: - MT 7304: - MT 7307: - MT 7491: - MT 7508:	41A5039	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Arabic • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5040	1
Arabic/French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5041	1
Belgium French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5042	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Belgium English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5043	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5044	1
Bulgarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5045	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Chinese/US • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5046	1
Czech (ABB) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5047	1
Danish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5048	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5049	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5050	1
French Canadian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5051	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
French Canadian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5052	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5053	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5054	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Greek/US • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5080	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5055	1
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5056	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Iceland • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5057	1
Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5058	1
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5059	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5060	1
LA Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5061	1
Norwegian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5062	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5063	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5064	1
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5065	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Russian/Cyrillic • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5066	1
Serbian/Cyrillic • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5067	1
Slovak • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5068	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5069	1
Swedish/Finnish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5070	1
Swiss French/German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5071	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Thailand • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5072	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5073	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5074	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
UK English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5075	1
US European • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5076	1
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5077	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: E1U E2U • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1U A1L A1G A1M A1A A1Q A1H A1R A1E • MT 7491: C5U • MT 7508: A2U A2L A2G A2M A2A A2Q A2H A2R A2E	41A5289	1
Arabic • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5290	1
A/F • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5291	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
B/F • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5292	1
Belgium English • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5293	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1P • MT 7491: • MT 7508: A2P	41A5294	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Bulgarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5295	1
Chinese/US • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: • MT 7307: A1B A1V • MT 7491: • MT 7508: A2B A2V	41A5296	1
Czech (ABB) • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5297	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Danish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5298	1
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5299	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5300	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
French Canadian • MT 7258: • MT 7260: • MT 7268: E1F E2F • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1F A1G • MT 7491: C5F • MT 7508: A2F A2G	41A5301	1
French Canadian • MT 7258: • MT 7260: • MT 7268: E1F E2F • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1F A1G • MT 7491: C5F • MT 7508: A2F A2G	41A5302	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5303	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5304	1
Greek/US • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5305	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5306	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5307	1
Iceland • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5308	1
Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5309	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508: A2J	41A5310	1
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508: A2K	41A5311	1
LA Spanish • MT 7258: • MT 7260: • MT 7268: E1S E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508: A2S A2D A2Y	41A5312	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Norwegian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5313	1
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5314	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5315	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5317	1
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5316	1
Russian/Cyrillic • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5318	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Serbian/Cyrillic • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5319	1
Slovak • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5320	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5321	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Swedish/Finnish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5322	1
SF/G • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5323	1
Thailand • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508: A2T	41A5324	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5325	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5326	1
UK English • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5327	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
US European • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5328	1
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41A5329	1
Arabic (New) • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	45J4880	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Lithuanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	45J4896	1
Estonia • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	51J0059	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8001	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Arabic • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8002	1
A/F • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8003	1
Belgium French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8004	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Belgium English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8005	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8006	1
Bulgarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8007	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Chinese/US • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8008	1
Czech (ABB) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8009	1
Danish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8010	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8011	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8012	1
French Canadian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8013	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
French Canadian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8014	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8015	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8016	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Greek/US • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8017	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8018	1
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8019	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Iceland • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8020	1
Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8021	1
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8022	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8023	1
LA Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8024	1
Norwegian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8025	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8026	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8027	1
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8038	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8039	1
Russian/Cyrillic • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8028	1
Serbian/Cyrillic • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8040	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Slovak • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8029	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8030	1
Swedish/Finnish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8031	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Swiss French/German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8032	1
Thailand • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8033	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8041	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8034	1
UK English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8035	1
US European • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8036	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03X8037	1

Mice	FRU #	CRU
Optical wheel mouse OPT (400DPI, USB) • MT 7258: A1V • MT 7260: A1V • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41U3013	1
Optical wheel mouse OPT (400DPI, USB) • MT 7258: A1V • MT 7260: A1V • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: C1G C2G • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: A8G A9G • MT 7307: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41U3030	1

Mice	FRU #	CRU
PS/2 three button ball mouse scroll point (41R0017) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R0018	1

Adapters and miscellaneous FRUs

Adapters and miscellaneous FRUs	FRU #	CRU
Internal 20 in 1 USB memory card reader • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45R8139	1
IEEE 1394 firewire adapter ATX • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41D2781	1

Adapters and miscellaneous FRUs	FRU #	CRU
Soft modem V.90/V.44 ATX • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN • MT 7258: • MT 7260: • MT 7268: E1U E1S E2U E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1U • MT 7491: C5U • MT 7508: A2U	89P8571	1
Speaker power brick - LA high voltage (non-APU) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89P8575	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - Simplified-Chinese, Thailand, EMEA • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G A1C • MT 7491: • MT 7508: A2G A2C	89P8581	1
Speaker power brick - Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: B1J B2J B3J B4J B5J B6J B7J • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1J • MT 7491: • MT 7508: A2J	89P8577	1
Speaker power brick - Brazil • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89P8583	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - Argentina • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A4901	1
Speaker power brick - ANZ • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1M • MT 7491: • MT 7508: A2M	89P8579	1
Speaker power brick - Korea • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A4903	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - Hong Kong, EMEA, Ireland • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89P8573	1
Speaker power brick -Taiwan • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V • MT 7304: • MT 7307: A1V • MT 7491: • MT 7508: A2V	41A4905	1
Speaker power brick - India, South Africa • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1Q • MT 7491: • MT 7508: A2Q	89P8585	1

Adapters and miscellaneous FRUs	FRU #	CRU
2-pc external speaker-secondary • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41A5334	1
DVI-I(M)-VGA(F) cord • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3342	1
Geforce 9500GT GDDR3 512MB - tower DVI+HDMI+DP (Tower) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R1524	1

Adapters and miscellaneous FRUs	FRU #	CRU
ATI HD3470 GDDR3 256MB - VGA+DP • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	46R1521	1
ADD2 DVI-D adapter, (HDCP) DVD-D connection adapter low profile (silicon Image) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	43C0258	1
Display port to DVI-D dongle • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	43N9160	1

Adapters and miscellaneous FRUs	FRU #	CRU
Display port to VGA dongle • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45J9524	1
Modem phone cable • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	39K5120	1
LI300mm rear USB 2 ports II HP® • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	42Y8005	2

Adapters and miscellaneous FRUs	FRU #	CRU
LI350mm rear Com2 cable II mini® - MT 7258: - MT 7260: - MT 7268: - MT 7270: - MT 7296: - MT 7298: - MT 7304: - MT 7307: - MT 7491: - MT 7508:	41R8548	2
Nvidia G100 DDR2 256MB ATX - DVI-I+VGA - MT 7258: - MT 7260: - MT 7268: - MT 7270: - MT 7296: - MT 7298: - MT 7304: - MT 7307: - MT 7491: - MT 7508:	53Y9249	1

Power Cords

Power Cords --primary	FRU #	CRU
Line Cord - US - MT 7258: - MT 7260: - MT 7268: E1U E1F E1S E2U E2F E2S - MT 7270: - MT 7296: - MT 7298: - MT 7304: - MT 7307: A1U A1F A1S A1L A1Y A1A A1T - MT 7491: C5U C5F - MT 7508: A2U A2F A2S A2L A2Y A2A A2T	41R3184	1

Power Cords --primary	FRU #	CRU
Line Cord - China • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1C • MT 7491: • MT 7508: A2C	41R3256	1
Line Cord - Japanese and Japanese English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1E A1J • MT 7491: • MT 7508: A1J A2E A2J	41R3248	1
Line Cord - Brazil (Portuguese) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3270	1

Power Cords --primary	FRU #	CRU
Line Cord - Brazil (Portuguese) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	45J9595	1
Line Cord - LA High Volt (APU) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3176	1
Line Cord - ANZ • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3196	1

Power Cords --primary	FRU #	CRU
Line Cord - Korea • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3260	1
Line Cord - UK, Ireland, Singapore, Malaysia, Brunei, Hongkong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1B A1H • MT 7491: • MT 7508: A2B A2H	41R3224	1
Line Cord - Taiwan • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: • MT 7307: A1V • MT 7491: • MT 7508: A3V A2V	41R3278	1

Power Cords --primary	FRU #	CRU
Line Cord - Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3232	1
Line Cord - Indonesia, Laos, Cambodia, and Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1U A1F A1S A1L A1Y A1A A1T • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2L A2Y A2A A2T	41R3208	1
Line Cord - Denmark • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41R3212	1

Power Cords --primary	FRU #	CRU
Line Cord - Switzerland • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41R3228	1
Line Cord - Israel • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41R3236	1
Line Cord - South Africa • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G A1M A1A • MT 7491: • MT 7508: A2G A2M A2A	41R3220	1

Power Cords --primary	FRU #	CRU
Line Cord - India • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1Q • MT 7491: • MT 7508: A2Q	41R3341	1
Line Cord - Thailand • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1T • MT 7491: • MT 7508: A2T	43N9029	1

Power Cords --secondary	FRU #	CRU
Line Cord - US • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1U A1F A1S A1L A1Y A1A A1T • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2L A2Y A2A A2T	41R3185	1

Power Cords --secondary	FRU #	CRU
Line Cord - China • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1C • MT 7491: • MT 7508: A2C	41R3257	1
Line Cord - Japanese and Japanese English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1E A1J • MT 7491: • MT 7508: A1J A2E A2J	41R3249	1
Line Cord - Brazil (Portuguese) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3271	1

Power Cords --secondary	FRU #	CRU
Line Cord - Y cable for Brazil • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	43N9044	1
Line Cord - LA High Volt (APU) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3177	1
Line Cord - ANZ • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3197	1

Power Cords --secondary	FRU #	CRU
Line Cord - Korea • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3261	1
Line Cord - UK, Ireland, Singapore, Malaysia, Brunei, Hongkong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1B A1H • MT 7491: • MT 7508: A2B A2H	41R3225	1
Line Cord - Taiwan • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V R3V • MT 7304: • MT 7307: A1V • MT 7491: • MT 7508: A3V A2V	41R3279	1

Power Cords --secondary	FRU #	CRU
Line Cord - Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	41R3233	1
Line Cord - Indonesia, Laos, Cambodia, and Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden • MT 7258: • MT 7260: • MT 7268: E1U E1F E1S E2U E2F E2S • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1U A1F A1S A1L A1Y A1A A1T • MT 7491: C5U C5F • MT 7508: A2U A2F A2S A2L A2Y A2A A2T	41R3209	1
Line Cord - Denmark • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41R3213	1

Power Cords --secondary	FRU #	CRU
Line Cord - Switzerland • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41R3229	1
Line Cord - Israel • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	41R3237	1
Line Cord - South Africa • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G A1M A1A • MT 7491: • MT 7508: A2G A2M A2A	41R3221	1

Power Cords --secondary	FRU #	CRU
Line Cord - India • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1Q • MT 7491: • MT 7508: A2Q	41R3175	1
Line Cord - Thailand • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1T • MT 7491: • MT 7508: A2T	43N9030	1

Recovery discs

Windows XP Professional 32	FRU #	CRU
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: C5U • MT 7508:	71Y9926	1

Windows XP Professional 32	FRU #	CRU
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: C5F • MT 7508:	71Y7316	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y7358	1

Windows Vista Business 32	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1U A1L A1G A1M A1A A1Q A1H A1R A1E • MT 7491: • MT 7508: A2U A2L A2G A2M A2A A2Q A2H A2R A2E	89Y1864	1

Windows Vista Business 32	FRU #	CRU
, French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1F A1G • MT 7491: • MT 7508: A2F A2G	89Y1844	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1846	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1861	1

Windows Vista Business 32	FRU #	CRU
Brazilian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1839	1
Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1850	1
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1J • MT 7491: • MT 7508: A1J A2J	89Y1851	1

Windows Vista Business 32	FRU #	CRU
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1853	1
Czech • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1842	1
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1854	1

Windows Vista Business 32	FRU #	CRU
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1858	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1863	1
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1849	1

Windows Vista Business 32	FRU #	CRU
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1845	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: • MT 7491: • MT 7508:	89Y1855	1
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508: A2C	89Y1840	1

Windows Vista Business 32	FRU #	CRU
Traditional Chinese • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: • MT 7304: • MT 7307: A1V • MT 7491: • MT 7508: A2B	89Y1841	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1B • MT 7491: • MT 7508: A3V A2V	89Y1848	1
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1K • MT 7491: • MT 7508: A2K	89Y1852	1

Windows Vista Business 32	FRU #	CRU
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1860	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1856	1
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1857	1

Windows Vista Business 32	FRU #	CRU
Sebian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1862	1
Slovakian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1859	1
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1838	1

Windows Vista Business 32	FRU #	CRU
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1847	1
C&L1 Nordics (English DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1865	1
C&L2 Switzerland (English FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1866	1

Windows Vista Business 32	FRU #	CRU
C&L3 Bel Lux (English FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	89Y1867	1

Windows 7 Home Basic 32	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7370	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7371	1

Windows 7 Home Basic 32	FRU #	CRU
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7372	1
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y8660	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7373	1

Windows 7 Home Basic 32	FRU #	CRU
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7374	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7375	1
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7376	1

Windows 7 Home Basic 32	FRU #	CRU
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7377	1
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7378	1

Windows 7 Home Premium 32	FRU #	CRU
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7379	1

Windows 7 Home Premium 32	FRU #	CRU
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7380	1
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7381	1
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y8661	1

Windows 7 Home Premium 32	FRU #	CRU
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7382	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7383	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7384	1

Windows 7 Home Premium 32	FRU #	CRU
Japan • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y9342	1

Windows 7 Professional 32	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7342	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7343	1

Windows 7 Professional 32	FRU #	CRU
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7344	1
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7345	1
Czech • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7346	1

Windows 7 Professional 32	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y8659	1
French • MT 7258: • MT 7260: • MT 7268: E1F E2F • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7347	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7348	1

Windows 7 Professional 32	FRU #	CRU
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7349	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7350	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7351	1

Windows 7 Professional 32	FRU #	CRU
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7352	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7353	1
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y9339	1

Windows 7 Professional 32	FRU #	CRU
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7355	1
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7356	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7357	1

Windows 7 Professional 32	FRU #	CRU
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7358	1
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7359	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7360	1

Windows 7 Professional 32	FRU #	CRU
Slovakia • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7361	1
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7362	1
Spanish • MT 7258: • MT 7260: • MT 7268: E1S E2S • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7363	1

Windows 7 Professional 32	FRU #	CRU
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7364	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7365	1
English • MT 7258: • MT 7260: • MT 7268: E1U E2U • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7366	1

Windows 7 Professional 32	FRU #	CRU
C&L Bel Lux (EN FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7367	1
C&L Nordics (EN DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7368	
C&L Switzerland (EN FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7369	1

Windows 7 Professional 64	FRU #	CRU
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7400	
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7401	
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7402	

Windows 7 Professional 64	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y8663	
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7403	
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7404	

Windows 7 Professional 64	FRU #	CRU
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7405	
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7406	
Japan • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y9343	

Windows 7 Professional 64	FRU #	CRU
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7408	
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7409	
C&L Nordics (EN DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7410	

Windows 7 Professional 64	FRU #	CRU
C&L Switzerland (EN FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7411	

Windows 7 Starter 32	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7392	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7393	1

Windows 7 Starter 32	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y8662	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7394	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7395	1

Windows 7 Starter 32	FRU #	CRU
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7396	1
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7397	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7398	1

Windows 7 Starter 32	FRU #	CRU
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y7399	1

Windows 7 Starter 32 with office starter 2010	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5756	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5757	1

Windows 7 Starter 32 with office starter 2010	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5758	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5759	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5760	1

Windows 7 Starter 32 with office starter 2010	FRU #	CRU
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5761	1
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5762	
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5763	1

Windows 7 Starter 32 with office starter 2010	FRU #	CRU
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5764	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5816	1
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5817	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5818	1
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5819	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5820	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5821	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5822	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5823	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5824	1
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5825	1
C&L Nordics (EN DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5826	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
C&L Switzerland (EN FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5827	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5788	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5789	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5790	1
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: Q4V Q5V Q6V Q7V Q8V Q9V R1V R2V • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5791	1
Czech • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5792	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5793	1
French • MT 7258: • MT 7260: • MT 7268: E1F E2F • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5794	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5795	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5796	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5797	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5798	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5799	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5800	1
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5801	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5802	1
Portuguese B/P • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5803	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5804	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5805	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5806	1
Slovakia • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5807	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5808	1
LA Spanish • MT 7258: • MT 7260: • MT 7268: E1S E2S • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5809	1
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5810	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: C1G C2G • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5811	1
US English • MT 7258: • MT 7260: • MT 7268: E1U E2U • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5812	1
C&L Bel Lux (EN FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5813	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
C&L Nordics (EN DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5814	1
C&L Switzerland (EN FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5815	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5765	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5766	1
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5767	1
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5768	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5769	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5770	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5771	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5772	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5773	1
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5774	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5775	1
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5776	1
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5777	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5778	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5779	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5780	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5781	1
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5782	1
LA Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5783	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5784	1
C&L Bel Lux (EN FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5785	1
C&L Nordics (EN DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5786	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
C&L Switzerland (EN FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5787	1

Windows Vista Starter 32 Recovery CD	FRU #	CRU
English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y3639	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y3640	1

Windows Vista Starter 32 Recovery CD	FRU #	CRU
English for Indian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y9944	1

Windows Vista Ultimate 32	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1827	1
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8725	1

Windows Vista Ultimate 32	FRU #	CRU
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8721	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8722	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8723	1

Windows Vista Ultimate 32	FRU #	CRU
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8724	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8726	1
Arabic Localized • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8727	1

Windows Vista Ultimate 32	FRU #	CRU
C&L Nordics (EN DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8728	1

Windows Vista Business 64	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8729	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8730	1

Windows Vista Business 64	FRU #	CRU
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8731	1
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8732	1
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8733	1

Windows Vista Business 64	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y9945	1

Windows Vista Home Premium 32	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8709	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8710	1

Windows Vista Home Premium 32	FRU #	CRU
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8711	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8712	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8714	1

Windows Vista Home Premium 32	FRU #	CRU
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8715	1
Hong Kong Tradition Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8716	1
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8713	1

Windows Vista Home Premium 32	FRU #	CRU
C&L1 Nordics (English DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8717	1
C&L 2 Switzerland (English FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8718	1
C&L3 Bel Lux (English FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	64Y8719	1

Windows Vista Home Premium 32	FRU #	CRU
India English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	71Y9942	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1U A1L A1G A1M A1A A1Q A1H A1R A1E • MT 7491: • MT 7508: A2U A2L A2G A2M A2A A2Q A2H A2R A2E	03T5723	1
, French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1F A1G • MT 7491: • MT 7508: A2F A2G	03T5704	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5706	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5720	1
Brazilian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5699	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Italy • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5710	1
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5712	1
Czech • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5702	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5713	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5717	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5722	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5709	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5705	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5714	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508: A2C	03T5700	1
Traditional Chinese • MT 7258: A1V • MT 7260: A1V • MT 7268: • MT 7270: • MT 7296: A1V • MT 7298: • MT 7304: • MT 7307: A1V • MT 7491: • MT 7508: A2B	03T5701	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1B • MT 7491: • MT 7508: A3V A2V	03T5708	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: A1K • MT 7491: • MT 7508: A2K	03T5711	1
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5719	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5715	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5716	1
Sebian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5721	1
Slovakian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5718	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5698	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5707	1
C&L1 Nordics (English DK FI NO SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5724	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
C&L2 Switzerland (English FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5725	1
C&L3 Bel Lux (English FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: A8G A9G • MT 7307: A1G • MT 7491: • MT 7508: A2G	03T5726	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5752	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5733	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5735	1
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5749	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5728	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5739	1
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5741	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Czech • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5731	1
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5742	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5746	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5751	1
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5738	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5734	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5743	1
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5729	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5737	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5730	1
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5740	1
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5748	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5744	1
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5736	1
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5727	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
Slovakian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5747	1
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5745	1
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5750	1

Windows Vista Business 32 with office starter 2010	FRU #	CRU
C&L1 Nordics (English DK Fi No SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5753	1
C&L2 Switzerland (English FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5754	1
C&L3 Bel Lux (English FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	03T5755	1

Windows Vista Home Basic 32	FRU #	CRU
US English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1894	1
French • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1874	1
German • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1876	1

Windows Vista Home Basic 32	FRU #	CRU
Spanish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1891	1
Brazilian Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1869	1
Italian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1880	1

Windows Vista Home Basic 32	FRU #	CRU
Japanese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1881	1
Dutch • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1883	1
Czech • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1872	1

Windows Vista Home Basic 32	FRU #	CRU
Polish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1884	1
Russian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1888	1
Turkish • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1893	1

Windows Vista Home Basic 32	FRU #	CRU
Hungarian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1879	1
Greek • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1875	1
Portuguese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1885	1

Windows Vista Home Basic 32	FRU #	CRU
Simplified Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1870	1
Hong Kong • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1878	1
Traditional Chinese • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1871	1

Windows Vista Home Basic 32	FRU #	CRU
Korean • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1882	1
Slovenian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1890	1
Russian English • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1886	1

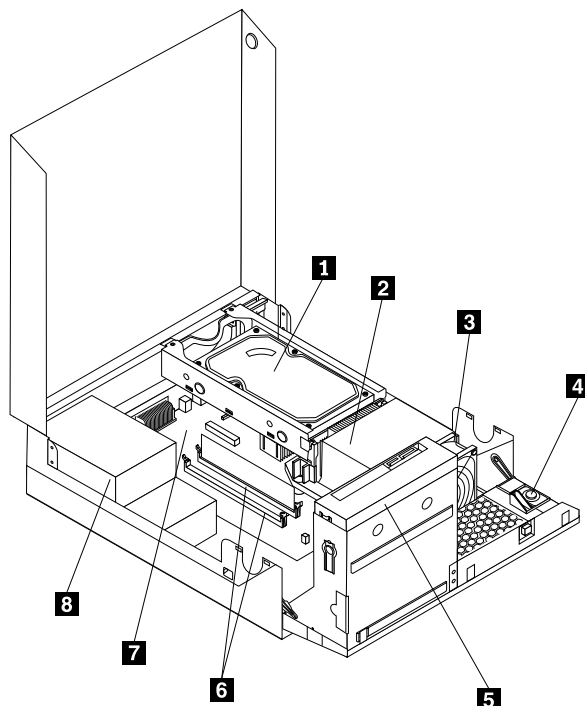
Windows Vista Home Basic 32	FRU #	CRU
Hebrew • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1877	1
Arabic enabled • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1868	1
Slovakian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1889	1

Windows Vista Home Basic 32	FRU #	CRU
Romanian • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1887	1
Serbian-Latin • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1892	1
C&L1 Nordics (English DK Fi No SV) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1895	1

Windows Vista Home Basic 32	FRU #	CRU
C&L2 Switzerland (English FR GR IT) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1896	1
C&L3 Bel Lux (English FR GR NL) • MT 7258: • MT 7260: • MT 7268: • MT 7270: • MT 7296: • MT 7298: • MT 7304: • MT 7307: • MT 7491: • MT 7508:	89Y1897	1

Overall: MT 7259, 7267, 7269, 7279, 7297, 7303, 7306, 7487, 7506, and 7514

The following replaceable components are available for the 7259, 7267, 7269, 7279, 7297, 7303, 7306, 7487, 7506, and 7514 machine type models.



Item #	FRUs	FRU #	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB • MT 7259: A1V A2U A2F A2S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y • MT 7269: • MT 7279: B2V B3J B5J B6J B7J B8J B9J A1J A3J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T A2M A2A A2Q A2T A2K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K A7G A9G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C2P C6U C6F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D5U D5F D8U D8S D8P D8D D8Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E7U E7S E7P E7D E7Y F9U F9F G1S G1P G1D G1Y H3S H3Y G7U G7F G8U G8F • MT 7306: A5G A6G A7G A2G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	40Y9035	1

Item #	FRUs	FRU #	CRU
1	Hard disk drive, SATA 160GB 7200RPM/3Gb/8MB - MT 7259: A1V A2U A2F A2S - MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y - MT 7269: - MT 7279: B2V B3J B5J B6J B7J B8J B9J A1J A3J A8U A8G A8M A8A A8H A8V A9U A9L B1U - MT 7297: A1V A2V - MT 7303: G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T A2M A2A A2Q A2T A2K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K A7G A9G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C2P C6U C6F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D5U D5F D8U D8S D8P D8D D8Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E7U E7S E7P E7D E7Y F9U F9F G1S G1P G1D G1Y H3S H3Y G7U G7F G8U G8F - MT 7306: A5G A6G A7G A2G - MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y - MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	53Y6837	1
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB - MT 7259: D1F D1S - MT 7259: B9S B9Y C1S C1Y C2U C2F C3U C3F - MT 7269: - MT 7279: A4J A5J A6J - MT 7297: - MT 7303: BAU BAF BBU BBF BCU BCF G6M A3M A3A A4M A4A A4Q A4T A4K C3G B1G B2G B3G C1S C1Y C1M C1A C1Q C1T C1K C7U C7F D4U D4F D6U D6F D9U D9S D9P D9D D9Y E6U E6S E6P E6D E6Y E8U E8S E8P E8D E8Y H1S H1Y H2S H2Y G9U G9F - MT 7306: A3G A4G - MT 7408: - MT 7506: A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G - MT 7514:	40Y9036	1

Item #	FRUs	FRU #	CRU
1	Hard disk drive, SATA 250GB 7200RPM/3Gb/8MB • MT 7259: D1F D1S • MT 7259: B9S B9Y C1S C1Y C2U C2F C3U C3F • MT 7269: • MT 7279: A4J A5J A6J • MT 7297: • MT 7303: BAU BAF BBU BBF BCU BCF G6M A3M A3A A4M A4A A4Q A4T A4K C3G B1G B2G B3G C1S C1Y C1M C1A C1Q C1T C1K C7U C7F D4U D4F D6U D6F D9U D9S D9P D9D D9Y E6U E6S E6P E6D E6Y E8U E8S E8P E8D E8Y H1S H1Y H2S H2Y G9U G9F • MT 7306: A3G A4G • MT 7408: • MT 7506: A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G • MT 7514:	45K0408	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB • MT 7259: D1U • MT 7259: C4U C4F • MT 7269: F3S F3D F3Y H1S H1D H1Y • MT 7279: E1G E2G A7J • MT 7297: • MT 7303: S2V S3V S4V S5V A5M A5K A6M A6K • MT 7306: • MT 7408: • MT 7506: A6G A7G • MT 7514:	87H4891	1
1	Hard disk drive, SATA 320GB 7200rpm SATA/8MB • MT 7259: D1U • MT 7259: C4U C4F • MT 7269: F3S F3D F3Y H1S H1D H1Y • MT 7279: E1G E2G A7J • MT 7297: • MT 7303: S2V S3V S4V S5V A5M A5K A6M A6K • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45K0409	1

Item #	FRUs	FRU #	CRU
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB • MT 7259: • MT 7259: • MT 7269: F1U F1F F1S F2U F2F F2S • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41X5582	1
1	Hard disk drive, SATA 500GB 7200RPM/3Gb/s/8MB • MT 7259: • MT 7259: • MT 7269: F1U F1F F1S F2U F2F F2S • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45K0410	1
1	Hard disk drive, 1TB 7200rpm SATA • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45C5973	1

Item #	FRUs	FRU #	CRU
1	Hard disk drive, 1TB 7200rpm SATA • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45K0412	1
1	Hard disk drive, 150G 10K rpm,SATA • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R6400	1
2	Microprocessor, E8600 3.33GHZ/1333MHZ/6M E0 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R8640	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E8500 3.16GHz 1333MHz FSB 6M C-0 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: B9J A6J • MT 7297: • MT 7303: F8M F8A F8Q F8T F8K B2G C1S C1Y C1M C1A C1Q C1T C1K C2P D4U D4F D6U D6F E6U E6S E6P E6D E6Y E8U E8S E8P E8D E8Y • MT 7306: A4G • MT 7408: • MT 7506: B7M B7A B7Q B7T B7K A2M A2A A2K A7G • MT 7514:	45C7735	N
2	Microprocessor, E8400 3.0GHz 1333MHz FSB 6M C-0 65W • MT 7259: A1V • MT 7259: A1V B3V B4S B4P B4D B4Y C3U C3F • MT 7269: • MT 7279: C2J C3J C4J B8J A8U A8G A8M A8A A8H A8V • MT 7297: • MT 7303: BCU BCF B9S B8P B9Y D3U D3F D5U D5F E5U E5S E5P E5D E5Y E7U E7S E7P E7D E7Y G7U G7F • MT 7306: • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45C7736	N
2	Microprocessor, E8300 2.83GHz 1333MHz FSB 6M C-0 65W • MT 7259: • MT 7259: • MT 7269: F1U F1F F1S F2U F2F F2S • MT 7279: • MT 7297: • MT 7303: S4V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45C7737	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E7200 2.53GHz 1066MHz FSB 3M M-0 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45R8337	N
2	Microprocessor, E7300 2.66GHz 1066MHz FSB 3M M-0 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: A4J A5J A9U A9L • MT 7297: A1V • MT 7303: G3A G3Q G3T G5A G5Q G5T G6M A3M A3A A4M A4A A4Q A4T A4K B1G B8S B8P B8Y • MT 7306: A3G • MT 7408: • MT 7506: • MT 7514:	46R1622	N
2	Microprocessor, E7400 2.8GHZ 1066M 3M R0 (ViiV,EIST,EM64T,EDB) 65W • MT 7259: • MT 7259: B5S B5P B5D B5Y B6U A9U A9F B1U B1F C2U C2F • MT 7269: H1S H1D H1Y • MT 7279: B6J B7J • MT 7297: • MT 7303: F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K C3G C8U C8F D1U D1F E1U E1S E1P E1D E1Y E3U E3S E3P E3D E3Y • MT 7306: A7G • MT 7408: • MT 7506: • MT 7514:	53Y6653	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E7500 2.93GHZ 1066M 3M R0 (ViiV,EIST,EM64T,EDB) 65W • MT 7259: • MT 7259: C4U C4F • MT 7269: • MT 7279: • MT 7297: • MT 7303: S5V BBU BBF F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K C9U C9F D2U D2F E2U E2S E2P E2D E2Y E4U E4S E4P E4D E4Y • MT 7306: • MT 7408: • MT 7506: • MT 7514:	53Y6654	N
2	Microprocessor, E2200 Conroe-L 2.2GHz 800MHz FSB 1M • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45C5349	N
2	Microprocessor, E5200 800MHz 2M M-0 65W, 45nm • MT 7259: • MT 7259: B6U B6F B7U B7F • MT 7269: • MT 7279: B2V B5J A3J • MT 7297: A2V • MT 7303: G2S G2P G2Y G4A G4Q G4T A2M A2A A2Q A2T A2K F2M F2A F2Q F2T F2K A9G F9U F9F G1S G1P G1D G1Y • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R9512	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E5300 2.6GHz 800MHz 2MB R0 (EIST,EM64T,EDB) 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: C8J C9J • MT 7297: • MT 7303: C6U C6F C7U C7F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y G8U G8F • MT 7306: • MT 7408: • MT 7506: • MT 7514:	53Y9049	N
2	Microprocessor, E1600 2.4GHZ/800MHZ/512K - NPI M-0 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R1655	N
2	Microprocessor, E1500 2.2GHz 800MHz 512KB (EIST,EM64T,EDB) M0 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	53Y9051	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Cel-450 2.2GHz 800MHz FSB 512K 35W • MT 7259: • MT 7259: • MT 7269: • MT 7279: D1J D2J • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R9514	N
2	Microprocessor, Q9650 3.0GHZ 1333FSB 12MB VT, TXT E-0 95W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R8642	N
2	Microprocessor, Q9400 2.66GHZ 1333FSB 6MB VT, TXT R-0 95W • MT 7259: A2U A2F A2S • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R8644	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Q8300 Yorkfield 2.5GHZ,1333MHz,4M R-0 (ViiV,EIST,EM64T,EDB) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	53Y6656	N
2	Microprocessor, Q9550 2.83GHZ 1333FSB 12M C-1 95W • MT 7259: • MT 7259: • MT 7269: F1U F1F F1S F2U F2F F2S • MT 7279: • MT 7297: • MT 7303: S4V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45C7739	N
2	Microprocessor, Q9450 Yorkfield 2.66GHZ 1333FSB 12M C-1 95W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45C7740	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Q9300 Yorkfield 2.50GHZ 1333FSB 6M M-1 95W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45C7741	N
2	Microprocessor, E5400 2.7G 800MHz-2MB R-0 65W Non-vPro • MT 7259: D1U D1F • MT 7259: • MT 7269: F3S F3D F3Y • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y1075	N
2	Microprocessor, E7600 3.06GHZ 1066M 3M 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: C5J C6J C7J • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y3486	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Q8400 2.66GHZ,1333MHz,4M 95W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y3488	N
2	Microprocessor, E6300 2.8G 1066MHz-2MB 65W • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: BAU BAF • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y3484	N
2	Microprocessor, E6500 2.93GHZ 1066 MHz-2MB 65W R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: S5V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y6250	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E3300 2.5GHZ 800 MHz-1MB 65W R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y6252	N
2	Microprocessor, E3200 2.4GHZ 800 MHz-1MB 65W R0 • MT 7259: D1S • MT 7259: • MT 7269: • MT 7279: C1M • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y6251	N
2	Microprocessor, E5500 2.8G 800MHz- 2MB R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y8073	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, E6600 3.06GHZ/1066MHZ/2M 65W R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y0198	N
2	Microprocessor, E3400 2.6GHZ/800MHZ/1M 65W R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y0207	N
2	Microprocessor, Q9505 2.83GHz 1333 MHz 6MB R-0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y6354	N

Item #	FRUs	FRU #	CRU
2	Microprocessor, Q9500 2.83GHZ,1333M,6M, R-0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y8996	N
2	Microprocessor, E5700 3.0G 800MHz- 2MB R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T6007	N
2	Microprocessor, E5800 3.2G 800MHz- 2MB R0 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T9010	N

Item #	FRUs	FRU #	CRU
3	95W heat sink kit for 607BT, with RM • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	41R6454	2
3	95W heat sink kit for 607BT, with RM • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9874	2
3	65W heat sink kit for 607BT, with RM • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9349	2

Item #	FRUs	FRU #	CRU
3	65W heat sink kit for 607BT, with RM • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9877	2
4	Internal speaker 254mm - optional • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	39K5012	2
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA Vista & non-Vista • MT 7259: A1V • MT 7259: A1V B3V B6U B6F A9U A9F • MT 7269: • MT 7279: B2V B3J A1J • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V C4V E9A E9Q E9T B5S B5P B5Y C6U C6F C8U C8F C9U C9F D8U D8S D8P D8D D8Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y F9U F9F G1S G1P G1D G1Y • MT 7306: A5G A6G A7G • MT 7408: • MT 7506: B2V B9U B9F C4S C4P C4D C4Y C7U C7F C8S C8P C8D C8Y • MT 7514:	41N3325	1

Item #	FRUs	FRU #	CRU
5	Optical drive, DVD Recordable/CD-RW Rambo 8 - SATA Vista & non-Vista - MT 7259: A2U A2F A2S D1U D1F D1S - MT 7259: B4S B4P B4D B4Y B5S B5P B5D B5Y B7U B7F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F - MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y - MT 7279: E1G E2G B5J B6J B7J B8J B9J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U - MT 7297: - MT 7303: BAU BAF BBU BBF BCU BCF G2S G2P G2Y G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C7U C7F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D9U D9S D9P D9D D9Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F - MT 7306: A2G A3G A4G - MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7506: B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G C1U C1F C2U C2F C5S C5P C5D C5Y C6S C6P C6D C6Y - MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	43C1042	1
5	Optical drive, DVD-ROM Drive - 16x/48x - SATA - for win 7 - MT 7259: A1V - MT 7259: A1V B3V B6U B6F A9U A9F - MT 7269: - MT 7279: B2V B3J A1J - MT 7297: A1V A2V - MT 7303: S2V S3V S4V S5V C4V E9A E9Q E9T B5S B5P B5Y C6U C6F C8U C8F C9U C9F D8U D8S D8P D8D D8Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y F9U F9F G1S G1P G1D G1Y - MT 7306: A5G A6G A7G - MT 7408: - MT 7506: B2V B9U B9F C4S C4P C4D C4Y C7U C7F C8S C8P C8D C8Y - MT 7514:	71Y5543	1

Item #	FRUs	FRU #	CRU
5	Optical drive, DVD recordable rambo 8 - SATA 12XRAM write - for win 7 • MT 7259: A2U A2F A2S D1U D1F D1S • MT 7259: B4S B4P B4D B4Y B5S B5P B5D B5Y B7U B7F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B5J B6J B7J B8J B9J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: • MT 7303: BAU BAF BBU BBF BCU BCF G2S G2P G2Y G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C7U C7F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D9U D9S D9P D9D D9Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F • MT 7306: A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G C1U C1F C2U C2F C5S C5P C5D C5Y C6S C6P C6D C6Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	71Y5545	1
5	Optical drive, blu-ray recorder / DVD super multi - for win 7 • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y5547	1

Item #	FRUs	FRU #	CRU
6	Memory module, 512MB PC2-5300 (667MHz) DDR2 SDRAM • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41X4255	1
6	Memory module, 1GB PC2-5300 (667MHz) DDR2 SDRAM • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41X4256	1
6	Memory module, 2GB PC2-5300 (667MHz) DDR2 SDRAM • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41X4257	1

Item #	FRUs	FRU #	CRU
6	Memory module, 512MB PC2-6400 (800MHz) DDR2 SDRAM • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41X1079	1
6	Memory module, 1GB PC2-6400 (667MHz) DDR2 SDRAM • MT 7259: A1V D1S • MT 7259: A1V B3V B6U B6F A9U A9F B8S B8Y B9S B9Y • MT 7269: • MT 7279: B2V B3J A1J A3J • MT 7297: A1V A2V • MT 7303: G2S G2P G2Y C4V G4A G4Q G4T G5A G5Q G5T E9A E9Q E9T B5S B5P B5Y B8S B8P B8Y C6U C6F C8U C8F C9U C9F D3U D3F D4U D4F D8U D8S D8P D8D D8Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y F9U F9F G1S G1P G1D G1Y H2S H2Y H3S H3Y G8U G8F • MT 7306: A5G A6G A7G • MT 7408: • MT 7506: B2V B9U B9F C4S C4P C4D C4Y C7U C7F C8S C8P C8D C8Y • MT 7514:	41X1080	1

Item #	FRUs	FRU #	CRU
6	Memory module, 2GB PC2-6400 (667MHz) DDR2 SDRAM • MT 7259: A2U A2F A2S D1U D1F • MT 7259: B4S B4P B4D B4Y B5S B5P B5D B5Y B7U B7F B1U B1F B2U B2F C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B5J B6J B7J B8J B9J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G3A G3Q G3T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C7U C7F D1U D1F D2U D2F D5U D5F D6U D6F D9U D9S D9P D9D D9Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y H1S H1Y G7U G7F G9U G9F • MT 7306: A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G C1U C1F C2U C2F C5S C5P C5D C5Y C6S C6P C6D C6Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41X1081	1

Item #	FRUs	FRU #	CRU
7	System board, Intel G41 BTX(GA) -NB upgrade non-AMT - MT 7259: A1V A2U A2F A2S D1U D1F D1S - MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F - MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y - MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U - MT 7297: A1V A2V - MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F - MT 7306: A5G A6G A7G A2G A3G A4G - MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y - MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	64Y9198	N

Item #	FRUs	FRU #	CRU
7	System board, Intel G41 BTX - EuP and TCM header • MT 7259: A1V A2U A2F A2S D1U D1F D1S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	71Y6839	N

Item #	FRUs	FRU #	CRU
8	Power supply, 280W active PFC power supply (auto sensing) for 10L---Robust,WW,JP • MT 7259: A1V A2U A2F A2S D1U D1F D1S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41A9701	N

Item #	FRUs	FRU #	CRU
8	Power supply, 280W 85+ power supply for 10L---Robust,WW,JP • MT 7259: A1V A2U A2F A2S D1U D1F D1S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	41A9742	N

Item #	FRUs	FRU #	CRU
8	Power supply, 280W active PFC power supply (auto sensing) for 10L---Robust,WW,JP • MT 7259: A1V A2U A2F A2S D1U D1F D1S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45J9418	N

Item #	FRUs	FRU #	CRU
8	Power supply, 280W active PFC power supply for 10L---for Europe Robust,WW,JP • MT 7259: A1V A2U A2F A2S D1U D1F D1S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J • MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y • MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	54Y8804	N

Item #	FRUs	FRU #	CRU
8	Power supply, 280W 85+ power supply for 10L---Robust,WW,JP - MT 7259: A1V A2U A2F A2S D1U D1F D1S - MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F - MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y - MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U - MT 7297: A1V A2V - MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F - MT 7306: A5G A6G A7G A2G A3G A4G - MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y - MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45J9423	N

Mechanical FRUs

The FRUs listed in the following tables are not illustrated.

Mechanical FRUs	FRU #	CRU
Cabel -SATA 700mm (RoHS) for ODD / 2st HDD - MT 7259: all models - MT 7259: all models - MT 7269: all models - MT 7279: all models - MT 7297: all models - MT 7303: all models - MT 7306: all models - MT 7408: all models - MT 7506: all models - MT 7514: all models	43N9011	2

Mechanical FRUs	FRU #	CRU
Cabel -SATA 600mm (RoHS) for ODD / 2st HDD sub from 43N9011 • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	45J9579	2
Thermal grease --ShinEtsu 7783D , 1g syringe • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	91P8835	N
FRU, rubber foot for horizontal • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9728	1

Mechanical FRUs	FRU #	CRU
C2 Intrusion switch 260mm • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	39K5022	2
Rear I/O shield BTX • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	41R6381	2
Rear I/O shield BTX • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	03T9529	2

Mechanical FRUs	FRU #	CRU
Temperature sense cable (165 mm) • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9079	n
FRU, universal adapter bracket 5.25 to 3.5 W/bezel, 607BT • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9584	2
FRU, vertical stand, recycle resin • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9644	2

Mechanical FRUs	FRU #	CRU
FRU, air deflector, recycle resin • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9610	1
FRU, cable, Luxshare, LED/switch cable R(nonPCB 220mm 10L) • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9075	2
FRU, 607BT optical bezel assembly • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9589	2

Mechanical FRUs	FRU #	CRU
FRU, 607BT, NO ODD, blank bezel, plastic • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9590	1
FRU, card reader bezel • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9591	1
FRU, non-card reader bezel • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9592	1

Mechanical FRUs	FRU #	CRU
FRU, front cage assembly • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9596	1
FRU, chassis • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9650	N
FRU, cable,Front I/O cable_R (10L_U380_A550)_ESD • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	45J9509	N

Mechanical FRUs	FRU #	CRU
FRU, models with 3.5" Convert 2.5" for 150GB 10K rpm HDD (1st HDD bay) • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9645	2
Cable-SATA 250mm (RoHS) for 1st HDD • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9012	2
FRU, card reader bracket kit • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9922	1

Mechanical FRUs	FRU #	CRU
FRU, main bezel • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	45K6129	1
65W heatsink kit for 607BT, with RM • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9925	1
Cabel -SATA 600mm (RoHS) for ODD / 2st HDD -optinal with 700mm cable-2 latching • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	54Y9937	1

Mechanical FRUs	FRU #	CRU
3.5" convert 2.5" for 150GB 10K rpm HDD (1st HDD bay) • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9593	1
SATA cable, 455mm, no latch,RoHS • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9131	1
Cable-SATA 250mm (RoHS) for 1st HDD-2 latching • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	54Y9929	1

Mechanical FRUs	FRU #	CRU
Temperature sense cable (165 mm/180mm) • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	54Y9904	1
FRU, power on/off cable bracket • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	03T9519	1
FRU, top cover assembly • MT 7259: all models • MT 7259: all models • MT 7269: all models • MT 7279: all models • MT 7297: all models • MT 7303: all models • MT 7306: all models • MT 7408: all models • MT 7506: all models • MT 7514: all models	43N9594	1

Mechanical FRUs	FRU #	CRU
FRU, advanced HDD tray assembly - MT 7259: all models - MT 7259: all models - MT 7269: all models - MT 7279: all models - MT 7297: all models - MT 7303: all models - MT 7306: all models - MT 7408: all models - MT 7506: all models - MT 7514: all models	45K6583	1
Battery 3V-Lithium - MT 7259: A1V A2U A2F A2S D1U D1F D1S - MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F - MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y - MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U - MT 7297: A1V A2V - MT 7303: S2V S3V S4V S5V B4U B4F B4U B4F BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P E1D E1Y E2U E2S E2P E2D E2Y E3U E3S E3P E3D E3Y E4U E4S E4P E4D E4Y E5U E5S E5P E5D E5Y E6U E6S E6P E6D E6Y E7U E7S E7P E7D E7Y E8U E8S E8P E8D E8Y F9U F9F G1S G1P G1D G1Y H1S H1Y H2S H2Y H3S H3Y G7U G7F G8U G8F G9U G9F - MT 7306: A5G A6G A7G A2G A3G A4G - MT 7408: A1U A1F A1S A1P A1L A1D A1Y A1G A1M A1A A1Q A1T A1C A1B A1H A1V A1K A1R A1E A1J - MT 7506: B2V B3M B3A B3Q B3T B3K B4M B4A B4Q B4T B4K B5M B5A B5Q B5T B5K B6M B6A B6Q B6T B6K B7M B7A B7Q B7T B7K A1M A1A A1Q A1T A1K A2M A2A A2K A9G B1G A8G A3G A5G A6G A7G B9U B9F C1U C1F C2U C2F C4S C4P C4D C4Y C5S C5P C5D C5Y C6S C6P C6D C6Y C7U C7F C8S C8P C8D C8Y - MT 7514: A2U A2F A2S A2P A2L A2D A2Y A2G A2M A2A A2Q A2T A2C A2B A2H A2V A2K A2R A2E A2J	45C1566	1

Keyboard and Mouse

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5039	1
Arabic • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5040	1
Arabic/French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5041	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Belgium French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5042	1
Belgium English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5043	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5044	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Bulgarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5045	1
Chinese/US • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5046	1
Czech (ABB) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5047	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Danish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5048	1
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5049	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5050	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
French Canadian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5051	1
French Canadian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5052	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5053	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5054	1
Greek/US • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5080	1
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5055	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5056	1
Iceland • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5057	1
Italy • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5058	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5059	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5060	1
LA Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5061	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Norwegian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5062	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5063	1
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5064	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5065	1
Russian/Cyrillic • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5066	1
Serbian/Cyrillic • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5067	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Slovak • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5068	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5069	1
Swedish/Finnish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5070	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Swiss French/German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5071	1
Thailand • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5072	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5073	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5074	1
UK English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5075	1
US European • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5076	1

Keyboard (Lenovo preferred pro PS/2 full size)	FRU #	CRU
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5077	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
US English • MT 7259: A2U D1U • MT 7259: B6U B7U A9U B1U B2U C2U C3U C4U • MT 7269: F1U F2U • MT 7279: E1G E2G A8U A8G A8M A8A A8H A9U A9L B1U • MT 7297: • MT 7303: BAU BBU BCU G3A G3Q G4A G4Q G5A G5Q G6M A2M A2A A2Q A3M A3A A4M A4A A4Q A5M A6M E9A E9Q F2M F2A F2Q F3A F3Q F4M F4A F4Q F5M F5A F5Q F6M F6A F6Q F7M F7A F7Q F8M F8A F8Q C3G A7G A9G B1G B2G B3G C1M C1A C1Q C6U C7U C8U C9U D1U D2U D3U D4U D5U D6U D8U D9U E1U E1S E1P E1D E3U E4U E5U E6U E7U E8U F9U G7U G8U G9U • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1U A1L A1G A1M A1A A1Q A1H A1R A1E • MT 7506: B3M B3A B3Q B4M B4A B4Q B5M B5A B5Q B6M B6A B6Q B7M B7A B7Q A1M A1A A1Q A2M A2A A9G B1G A8G A3G A5G A6G A7G B9U C1U C2U C7U • MT 7514: A2U A2L A2G A2M A2A A2Q A2H A2R A2E	41A5289	1
Arabic • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5290	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
A/F • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5291	1
B/F • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5292	1
Belgium English • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5293	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: B4P B5P • MT 7269: • MT 7279: • MT 7297: • MT 7303: G2P B5P B8P B9P C2P D8P D9P E1P E2P E3P E4P E5P E6P E7P E8P G1P • MT 7306: • MT 7408: A1P • MT 7506: C4P C5P C6P C8P • MT 7514: A2P	41A5294	1
Bulgarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5295	1
Chinese/US • MT 7259: A1V • MT 7259: A1V B3V • MT 7269: • MT 7279: B2V A8V • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V C4V • MT 7306: • MT 7408: A1B A1V • MT 7506: B2V • MT 7514: A2B A2V	41A5296	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Czech (ABB) • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5297	1
Danish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5298	1
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5299	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5300	1
French Canadian • MT 7259: A2F D1F • MT 7259: B6F B7F A9F B1F B2F C2F C3F C4F • MT 7269: F1F F2F • MT 7279: E1G E2G • MT 7297: • MT 7303: BAF BBF BCF C6F C7F C8F C9F D1F D2F D3F D4F D5F D6F F9F G7F G8F G9F • MT 7306: • MT 7408: A1F A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G B9F C1F C2F C7F • MT 7514: A2F A2G	41A5301	1
French Canadian • MT 7259: A2F D1F • MT 7259: B6F B7F A9F B1F B2F C2F C3F C4F • MT 7269: F1F F2F • MT 7279: E1G E2G • MT 7297: • MT 7303: BAF BBF BCF C6F C7F C8F C9F D1F D2F D3F D4F D5F D6F F9F G7F G8F G9F • MT 7306: • MT 7408: A1F A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G B9F C1F C2F C7F • MT 7514: A2F A2G	41A5302	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5303	1
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5304	1
Greek/US • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5305	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5306	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5307	1
Iceland • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5308	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Italy • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5309	1
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1J • MT 7506: • MT 7514: A2J	41A5310	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: A2K A4K A5K A6K F2K F4K F5K F6K F7K F8K C1K • MT 7306: • MT 7408: A1K • MT 7506: • MT 7514: A2K	41A5311	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
LA Spanish • MT 7259: A2S D1S • MT 7259: B4S B4D B4Y B5S B5D B5Y B8S B8Y B9S B9Y C1S C1Y • MT 7269: F3S F3D F3Y F1S F2S H1S H1D H1Y • MT 7279: • MT 7297: • MT 7303: G2S G2Y B5S B5Y B8S B8Y B9S B9Y C1S C1Y D8S D8D D8Y D9S D9D D9Y E1S E1D E1Y E2S E2D E2Y E3S E3D E3Y E4S E4D E4Y E5S E5D E5Y E6S E6D E6Y E7S E7D E7Y E8S E8D E8Y G1S G1D G1Y H1S H1Y H2S H2Y H3S H3Y • MT 7306: • MT 7408: A1S A1D A1Y • MT 7506: • MT 7514:	41A5312	1
Norwegian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5313	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5314	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5315	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5317	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5316	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Russian/Cyrillic • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5318	1
Serbian/Cyrillic • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5319	1
Slovak • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5320	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5321	1
Swedish/Finnish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5322	1
SF/G • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5323	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Thailand • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: G3T G4T G5T A2T A4T E9T F2T F3T F4T F5T F6T F7T F8T C1T • MT 7306: • MT 7408: A1T • MT 7506: B3T B4T B5T B6T B7T A1T • MT 7514: A2T	41A5324	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5325	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5326	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
UK English • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5327	1
US European • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5328	1
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41A5329	1

Keyboard (Lenovo Preferred Pro USB -- without hub)	FRU #	CRU
Arabic (New) • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	45J4880	1
Lithuanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	45J4896	1
Estonia • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	51J0059	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8001	1
Arabic • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8002	1
A/F • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8003	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Belgium French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8004	1
Belgium English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8005	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8006	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Bulgarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8007	1
Chinese/US • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8008	1
Czech (ABB) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8009	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Danish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8010	1
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8011	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8012	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
French Canadian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8013	1
French Canadian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8014	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8015	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8016	1
Greek/US • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8017	1
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8018	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8019	1
Iceland • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8020	1
Italy • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8021	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8022	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8023	1
LA Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8024	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Norwegian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8025	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8026	1
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8027	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8038	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8039	1
Russian/Cyrillic • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8028	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Serbian/Cyrillic • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8040	1
Slovak • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8029	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8030	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Swedish/Finnish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8031	1
Swiss French/German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8032	1
Thailand • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8033	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8041	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8034	1
UK English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8035	1

Keyboard (Lenovo Fingerprint Reader USB)	FRU #	CRU
US European • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8036	1
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03X8037	1

Mice	FRU #	CRU
Optical wheel mouse option (400DPI, USB) • MT 7259: A1V A2U A2F A2S D1U D1F D1S • MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y • MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P	41U3013	1

Mice	FRU #	CRU
Optical wheel mouse option (400DPI, USB) - MT 7259: A1V A2U A2F A2S D1U D1F D1S - MT 7259: A1V B3V B4S B4P B4D B4Y B5S B5P B5D B5Y B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B8Y B9S B9Y C1S C1Y C2U C2F C3U C3F C4U C4F - MT 7269: F3S F3D F3Y F1U F1F F1S F2U F2F F2S H1S H1D H1Y - MT 7279: E1G E2G B2V B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J A8U A8G A8M A8A A8H A8V A9U A9L B1U - MT 7297: A1V A2V - MT 7303: S2V S3V S4V S5V BAU BAF BBU BBF BCU BCF G2S G2P G2Y C4V G3A G3Q G3T G4A G4Q G4T G5A G5Q G5T G6M A2M A2A A2Q A2T A2K A3M A3A A4M A4A A4Q A4T A4K A5M A5K A6M A6K E9A E9Q E9T F2M F2A F2Q F2T F2K F3A F3Q F3T F4M F4A F4Q F4T F4K F5M F5A F5Q F5T F5K F6M F6A F6Q F6T F6K F7M F7A F7Q F7T F7K F8M F8A F8Q F8T F8K C3G A7G A9G B1G B2G B3G B5S B5P B5Y B8S B8P B8Y B9S B9P B9Y C1S C1Y C1M C1A C1Q C1T C1K C2P C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D8P D8D D8Y D9U D9S D9P D9D D9Y E1U E1S E1P	41U3030	1
PS/2 three button ball mouse scroll point (41R0017) - MT 7259: - MT 7259: - MT 7269: - MT 7279: - MT 7297: - MT 7303: - MT 7306: - MT 7408: - MT 7506: - MT 7514:	41R0018	1

Adapters and miscellaneous FRUs

Adapters and miscellaneous FRUs	FRU #	CRU
Internal USB 20 in 1 memory card reader slim - MT 7259: - MT 7259: - MT 7269: - MT 7279: - MT 7297: - MT 7303: - MT 7306: - MT 7408: - MT 7506: - MT 7514:	46R1529	1

Adapters and miscellaneous FRUs	FRU #	CRU
IEEE 1394 firewire adapter • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41D2781	1
Soft modem V.90/V. • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R4220	1
Speaker power brick - US, Canada, LA low voltage, ASEAN • MT 7259: A2U D1U • MT 7259: • MT 7269: F1U F2U F3S F2S F1S • MT 7279: A8U A8M A8A • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1U • MT 7506: B9U C1U C2U C7U • MT 7514: A2U	89P8571	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - LA high voltage (non-APU) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89P8575	1
Speaker power brick - Simplified Chinese, Thailand, EMEA • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G A1C • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G A2C	89P8581	1
Speaker power brick - Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1J • MT 7506: • MT 7514: A2J	89P8577	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - Brazil • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89P8583	1
Speaker power brick - Argentina • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A4901	1
Speaker power brick - ANZ • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1M • MT 7506: B3M B4M B5M B6M B7M A1M A2M • MT 7514: A2M	89P8579	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - Korea • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A4903	1
Speaker power brick - Hong Kong, EMEA, Ireland • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	89P8573	1
Speaker power brick - Taiwan • MT 7259: A1V • MT 7259: A1V B3V • MT 7269: • MT 7279: B2V A8V • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V • MT 7306: • MT 7408: A1V • MT 7506: B2V • MT 7514: A2V	41A4905	1

Adapters and miscellaneous FRUs	FRU #	CRU
Speaker power brick - India, South Africa • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1Q • MT 7506: B3Q B4Q B5Q B6Q B7Q A1Q • MT 7514: A2Q	89P8585	1
2-pc external speaker-secondary • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41A5334	1
DVI-I(M)-VGA(F) cord • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3342	1

Adapters and miscellaneous FRUs	FRU #	CRU
ATI HD3470 GDDR3 256MB - VGA+DP • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R1521	1
ADD2 DVI-D adapter, (HDCP) DVD-D connection adapter low profile (silicon Image) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	43C0258	1
Display port to DVI-D dongle • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	43N9160	1

Adapters and miscellaneous FRUs	FRU #	CRU
Display port to VGA dongle • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45J9524	1
Modem phone cable • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	39K5120	1
LI140mm rear Com2 cable II mini® SFF • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	43N9062	2

Adapters and miscellaneous FRUs	FRU #	CRU
Rear USB 2 ports II LP® 200mm • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	42Y8006	2
Nvidia G100 DDR2 256MB LP - DVI-I (with DVI-I to VGA dongle) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	53Y9341	1
PCI parallel card - option • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	46R1519	1

Adapters and miscellaneous FRUs	FRU #	CRU
Parallel dongle • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45J9520	1

Power Cords

Power Cords --primary	FRU #	CRU
Line Cord - US • MT 7259: A2U A2F A2S D1U D1F D1S • MT 7259: B4S B5S B4D B5D B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B9S C1S C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3Y F1U F1F F1S F2U F2F F2S H1S H1D • MT 7279: A8U A8A A9U A9L B1U • MT 7297: • MT 7303: BAU BAF BBU BBF BCU BCF G2S G3A G3T G4A G4T G5A G5T A2A A2T A4A A4T E9A E9T F2A F3A F3T F4A F4T F5A F5T F6A F6T F7A F7T F8A F8T B5S B8S B9S C1S C1A C1T C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D9U D9S E1U E1S E2U E2S E3U E3S E4U E4S E5U E5S E6U E6S E7U E7S E8U E8S F9U F9F G1S G1D H1S H2S H3S G7U G7F G8U G8F G9U G9F • MT 7306: • MT 7408: A1U A1F A1S A1L A1Y A1A A1T • MT 7506: B3A B3T B4A B4T B5A B5T B6A B6T B7A B7T A1A A1T A2A B9U B9F C1U C1F C2U C2F C4S C4Y C5S C5Y C6S C6Y C7U C7F C8S C8Y • MT 7514: A2U A2F A2S A2L A2Y A2A A2T	41R3184	1
Line Cord - China • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1C • MT 7506: • MT 7514: A2C	41R3256	1

Power Cords --primary	FRU #	CRU
Line Cord - Japanese and Japanese English • MT 7259: • MT 7259: • MT 7269: • MT 7279: B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1E A1J • MT 7506: • MT 7514: A2E A2J	41R3248	1
Line Cord - Brazil (Portuguese) • MT 7259: • MT 7259: B4P B5P • MT 7269: • MT 7279: • MT 7297: • MT 7303: G2P B5P B8P B9P C2P D8P D9P E1P E2P E3P E4P E5P E6P E7P E8P G1P • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3270	1
Line Cord - Brazil (Portuguese) • MT 7259: • MT 7259: B4P B5P • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	45J9595	1

Power Cords --primary	FRU #	CRU
Line Cord - LA High Volt (APU) • MT 7259: • MT 7259: B4Y B5Y B8Y B9Y C1Y • MT 7269: H1Y • MT 7279: A9L • MT 7297: • MT 7303: G2Y B5Y B8Y B9Y C1Y D8Y D9Y E1Y E2Y E3Y E4Y E5Y E6Y E7Y E8Y G1Y H1Y H2Y H3Y • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3176	1
Line Cord - ANZ • MT 7259: • MT 7259: • MT 7269: • MT 7279: A8M • MT 7297: • MT 7303: G6M A2M A3M A4M A5M A6M F2M F4M F5M F6M F7M F8M C1M • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3196	1
Line Cord - Korea • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: A2K A4K A5K A6K F2K F4K F5K F6K F7K F8K C1K • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3260	1

Power Cords --primary	FRU #	CRU
Line Cord - UK, Ireland, Singapore, Malaysia, Brunei, Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: G3A G4A G5A A2A A3A A4A F2A F3A F4A F5A F6A F7A F8A C1A • MT 7306: • MT 7408: A1B A1H • MT 7506: • MT 7514: A2B A2H	41R3224	1
Line Cord - Taiwan • MT 7259: A1V • MT 7259: A1V B3V • MT 7269: • MT 7279: B2V • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V C4V • MT 7306: • MT 7408: A1V • MT 7506: B2V • MT 7514: A2V	41R3278	1
Line Cord - Italy • MT 7259: • MT 7259: B4S B5S B4Y B5Y B8S B8Y B9S B9Y C1S C1Y • MT 7269: H1S H1Y • MT 7279: A9L • MT 7297: • MT 7303: G2S G2Y B5Y B8Y B9Y C1Y D8S D8Y D9S D9Y E1S E1Y E2S E2Y E3S E3Y E4S E4Y E5S E5Y E6S E6Y E7S E7Y E8S E8Y G1S G1Y H1S H1Y H2S H2Y H3S H3Y • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3232	1

Power Cords --primary	FRU #	CRU
Line Cord - Indonesia, Laos, Cambodia, and Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden • MT 7259: • MT 7259: • MT 7269: F3S F3Y F1U F1F F1S F2U F2F F2S • MT 7279: A8A • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1U A1F A1S A1L A1Y A1A A1T • MT 7506: B3A B3T B4A B4T B5A B5T B6A B6T B7A B7T A1A A1T A2A B9U B9F C1U C1F C2U C2F C4S C4Y C5S C5Y C6S C6Y C7U C7F C8S C8Y • MT 7514: A2U A2F A2S A2L A2Y A2A A2T	41R3208	1
Line Cord - Denmark • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G C1A • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41R3212	1
Line Cord - Switzerland • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41R3228	1

Power Cords --primary	FRU #	CRU
Line Cord - Israel • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41R3236	1
Line Cord - South Africa • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G A8M A8A • MT 7297: • MT 7303: G3A G4A G5A G6M A2M A2A A3M A3A A4M A4A A5M A6M F2M F2A F3A F4M F4A F5M F5A F6M F6A F7M F7A F8M F8A C1M C1A • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G A1M A1A • MT 7506: B3M B3A B4M B4A B5M B5A B6M B6A B7M B7A A1M A1A A2M A2A A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G A2M A2A	41R3220	1
Line Cord - India • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: G3Q G4Q G5Q A2Q A4Q E9Q F2Q F3Q F4Q F5Q F6Q F7Q F8Q C1Q • MT 7306: • MT 7408: A1Q • MT 7506: B3Q B4Q B5Q B6Q B7Q A1Q • MT 7514: A2Q	41R3341	1

Power Cords --primary	FRU #	CRU
Line Cord - Thailand • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	43N9029	1

Power Cords --secondary	FRU #	CRU
Line Cord - US • MT 7259: A2U A2F A2S D1U D1F D1S • MT 7259: B4S B5S B4D B5D B6U B6F B7U B7F A9U A9F B1U B1F B2U B2F B8S B9S C1S C2U C2F C3U C3F C4U C4F • MT 7269: F3S F3Y F1U F1F F1S F2U F2F F2S H1S H1D • MT 7279: A8U A8A A9U A9L B1U • MT 7297: • MT 7303: BAU BAF BBU BBF BCU BCF G2S G3A G3T G4A G4T G5A G5T A2A A2T A4A A4T E9A E9T F2A F3A F3T F4A F4T F5A F5T F6A F6T F7A F7T F8A F8T B5S B8S B9S C1S C1A C1T C6U C6F C7U C7F C8U C8F C9U C9F D1U D1F D2U D2F D3U D3F D4U D4F D5U D5F D6U D6F D8U D8S D9U D9S E1U E1S E2U E2S E3U E3S E4U E4S E5U E5S E6U E6S E7U E7S E8U E8S F9U F9F G1S G1D H1S H2S H3S G7U G7F G8U G8F G9U G9F • MT 7306: • MT 7408: A1U A1F A1S A1L A1Y A1A A1T • MT 7506: B3A B3T B4A B4T B5A B5T B6A B6T B7A B7T A1A A1T A2A B9U B9F C1U C1F C2U C2F C4S C4Y C5S C5Y C6S C6Y C7U C7F C8S C8Y • MT 7514: A2U A2F A2S A2L A2Y A2A A2T	41R3185	1
Line Cord - China • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1C • MT 7506: • MT 7514: A2C	41R3257	1

Power Cords --secondary	FRU #	CRU
Line Cord - Japanese and Japanese English • MT 7259: • MT 7259: • MT 7269: • MT 7279: B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1E A1J • MT 7506: • MT 7514: A2E A2J	41R3249	1
Line Cord - Brazil (Portuguese) • MT 7259: • MT 7259: B4P B5P • MT 7269: • MT 7279: • MT 7297: • MT 7303: G2P B5P B8P B9P C2P D8P D9P E1P E2P E3P E4P E5P E6P E7P E8P G1P • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3271	1
Line Cord - Y cable for Brazil • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	43N9044	1

Power Cords --secondary	FRU #	CRU
Line Cord - LA high volt (APU) • MT 7259: • MT 7259: B4Y B5Y B8Y B9Y C1Y • MT 7269: H1Y • MT 7279: A9L • MT 7297: • MT 7303: G2Y B5Y B8Y B9Y C1Y D8Y D9Y E1Y E2Y E3Y E4Y E5Y E6Y E7Y E8Y G1Y H1Y H2Y H3Y • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3177	1
Line Cord - ANZ • MT 7259: • MT 7259: • MT 7269: • MT 7279: A8M • MT 7297: • MT 7303: G6M A2M A3M A4M A5M A6M F2M F4M F5M F6M F7M F8M C1M • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3197	1
Line Cord - Korea • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: A2K A4K A5K A6K F2K F4K F5K F6K F7K F8K C1K • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3261	1

Power Cords --secondary	FRU #	CRU
Line Cord - UK, Ireland, Singapore, Malaysia, Brunei , Hongkong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: G3A G4A G5A A2A A3A A4A F2A F3A F4A F5A F6A F7A F8A C1A • MT 7306: • MT 7408: A1B A1H • MT 7506: • MT 7514: A2B A2H	41R3225	1
Line Cord - Taiwan • MT 7259: A1V • MT 7259: A1V B3V • MT 7269: • MT 7279: B2V • MT 7297: A1V A2V • MT 7303: S2V S3V S4V S5V C4V • MT 7306: • MT 7408: A1V • MT 7506: B2V • MT 7514: A2V	41R3279	1
Line Cord - Italy • MT 7259: • MT 7259: B4S B5S B4Y B5Y B8S B8Y B9S B9Y C1S C1Y • MT 7269: H1S H1Y • MT 7279: A9L • MT 7297: • MT 7303: G2S G2Y B5Y B8Y B9Y C1Y D8S D8Y D9S D9Y E1S E1Y E2S E2Y E3S E3Y E4S E4Y E5S E5Y E6S E6Y E7S E7Y E8S E8Y G1S G1Y H1S H1Y H2S H2Y H3S H3Y • MT 7306: • MT 7408: • MT 7506: • MT 7514:	41R3233	1

Power Cords --secondary	FRU #	CRU
Line Cord - Indonesia, Laos, Cambodia, and Vietnam, Austria, Belgium, Croatia, Czechoslovakia, Finland, France, Germany, Hungary, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden • MT 7259: • MT 7259: • MT 7269: F3S F3Y F1U F1F F1S F2U F2F F2S • MT 7279: A8A • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1U A1F A1S A1L A1Y A1A A1T • MT 7506: B3A B3T B4A B4T B5A B5T B6A B6T B7A B7T A1A A1T A2A B9U B9F C1U C1F C2U C2F C4S C4Y C5S C5Y C6S C6Y C7U C7F C8S C8Y • MT 7514: A2U A2F A2S A2L A2Y A2A A2T	41R3209	1
Line Cord - Denmark • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G C1A • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41R3213	1
Line Cord - Switzerland • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41R3229	1

Power Cords --secondary	FRU #	CRU
Line Cord - Israel • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G • MT 7506: A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G	41R3237	1
Line Cord - South Africa • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G A8G A8M A8A • MT 7297: • MT 7303: G3A G4A G5A G6M A2M A2A A3M A3A A4M A4A A5M A6M F2M F2A F3A F4M F4A F5M F5A F6M F6A F7M F7A F8M F8A C1M C1A • MT 7306: A5G A6G A7G A2G A3G A4G • MT 7408: A1G A1M A1A • MT 7506: B3M B3A B4M B4A B5M B5A B6M B6A B7M B7A A1M A1A A2M A2A A9G B1G A8G A3G A5G A6G A7G • MT 7514: A2G A2M A2A	41R3221	1
Line Cord - India • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: G3Q G4Q G5Q A2Q A4Q E9Q F2Q F3Q F4Q F5Q F6Q F7Q F8Q C1Q • MT 7306: • MT 7408: A1Q • MT 7506: B3Q B4Q B5Q B6Q B7Q A1Q • MT 7514: A2Q	41R3175	1

Power Cords --secondary	FRU #	CRU
Line Cord - Thailand • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	43N9030	1

Recovery discs

Windows XP Professional Recovery CD	FRU #	CRU
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: A5G A6G A7G A2G • MT 7408: • MT 7506: B3M B3A B3Q B5M B5A B5Q B7M B7A B7Q A9G B1G B9U C1U C2U C7U • MT 7514:	71Y9926	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: A5G A6G A7G A2G • MT 7408: • MT 7506: A9G B1G B9F C1F C2F C7F • MT 7514:	71Y7316	1

Windows XP Professional Recovery CD	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: A5G A6G A7G A2G • MT 7408: • MT 7506: A9G B1G • MT 7514:	89Y7358	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1894	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1874	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1876	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1891	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1869	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1880	1
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1881	1
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1883	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Czech • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1872	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1884	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1888	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1893	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1879	1
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1875	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1885	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1870	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1878	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1871	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1882	1
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1890	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1886	1
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1877	1
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1868	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
Slovakian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1889	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1887	1
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1892	1

Windows Home Basic 32 Recovery CD	FRU #	CRU
C&L1 Nordics (English DK Fi No SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1895	1
C&L2 2 Switzerland (English FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1896	1
C&L3 Bel Lux (English FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1897	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5752	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5733	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5735	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5749	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5728	1
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5739	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5741	1
Czech • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5731	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5742	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5746	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5751	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5738	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5734	1
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5743	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5729	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5737	1
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C4V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5730	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5740	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5748	1
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5744	1
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5736	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5727	1
Slovakian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5747	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5745	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5750	1
C&L1 Nordics (English DK Fi No SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5753	1
C&L 2 Switzerland (English FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5754	1

Windows Home Basic 32 Recovery CD with office starter 2010	FRU #	CRU
C&L3 Bel Lux (English FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5755	1

Windows Business 32 Recovery CD	FRU #	CRU
US English • MT 7259: A2U • MT 7259: B6U B7U A9U B1U B2U C2U C3U C4U • MT 7269: • MT 7279: A8U A8G A8M A8A A8H A9U A9L B1U • MT 7297: • MT 7303: G3A G3Q G6M A2M A2A A2Q A3M A3A A4M A4A A4Q A5M A6M F2M F2A F2Q F4M F4A F4Q F5M F5A F5Q F6M F6A F6Q F7M F7A F7Q F8M F8A F8Q C3G A7G A9G B1G B2G B3G C1M C1A C1Q C6U C7U C8U C9U D1U D2U D3U D4U D5U D6U D8U D9U E1U E2U E3U E4U E5U E6U E7U E8U F9U G7U G8U G9U • MT 7306: A3G A4G • MT 7408: A1U A1L A1G A1M A1A A1Q A1H A1R A1E • MT 7506: B4M B4A B4Q B6M B6A B6Q A1M A1A A1Q A2M A2A A8G A3G A5G A6G A7G • MT 7514: A2U A2L A2G A2M A2A A2Q A2H A2R A2E	89Y1864	1
French • MT 7259: A2F • MT 7259: B6F B7F A9F B1F B2F C2F C3F C4F • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G C6F C7F C8F C9F D1F D2F D3F D4F D5F D6F F9F G7F G8F G9F • MT 7306: A3G A4G • MT 7408: A1F A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2F A2G	89Y1844	1

Windows Business 32 Recovery CD	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1846	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1861	1
Brazilian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1839	1

Windows Business 32 Recovery CD	FRU #	CRU
Italy • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1850	1
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: B3J B5J B6J B7J B8J B9J A1J A3J A4J A5J A6J A7J • MT 7297: • MT 7303: • MT 7306: • MT 7408: A1J • MT 7506: • MT 7514: A1J A2J	89Y1851	1
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: • MT 7514:	89Y1853	1

Windows Business 32 Recovery CD	FRU #	CRU
Czech • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: • MT 7514:	89Y1842	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1854	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1858	1

Windows Business 32 Recovery CD	FRU #	CRU
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1863	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1849	1
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1845	1

Windows Business 32 Recovery CD	FRU #	CRU
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1855	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: A2V A1V • MT 7506: • MT 7514: A2C	89Y1840	1
Traditional Chinese • MT 7259: A1V • MT 7259: A1V B3V • MT 7269: • MT 7279: B2V A8V • MT 7297: A1V A2V • MT 7303: C4V • MT 7306: • MT 7408: • MT 7506: B2V • MT 7514: A3V A2V	89Y1841	1

Windows Business 32 Recovery CD	FRU #	CRU
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1848	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: A2K A4K A5K A6K F2K F4K F5K F6K F7K F8K C1K • MT 7306: • MT 7408: A1K • MT 7506: B4K B6K A1K A2K • MT 7514: A2K	89Y1852	1
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: • MT 7514: A2G	89Y1860	1

Windows Business 32 Recovery CD	FRU #	CRU
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1856	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1857	1
Sebian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1862	1

Windows Business 32 Recovery CD	FRU #	CRU
Slovakian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1859	1
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1838	1
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1847	1

Windows Business 32 Recovery CD	FRU #	CRU
C&L1 Nordics (English DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1865	1
C&L 2 Switzerland (English FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1866	1
C&L3 Bel Lux (English FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: A3G A4G • MT 7408: A1G • MT 7506: A8G A3G A5G A6G A7G • MT 7514: A2G	89Y1867	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
US English • MT 7259: A2U • MT 7259: B6U B7U A9U B1U B2U C2U C3U C4U • MT 7269: • MT 7279: A8U A8G A8M A8A A8H A9U A9L B1U • MT 7297: • MT 7303: G3A G3Q G6M A2M A2A A2Q A3M A3A A4M A4A A4Q A5M A6M F2M F2A F2Q F4M F4A F4Q F5M F5A F5Q F6M F6A F6Q F7M F7A F7Q F8M F8A F8Q C3G A7G A9G B1G B2G B3G C1M C1A C1Q C6U C7U C8U C9U D1U D2U D3U D4U D5U D6U D8U D9U E1U E2U E3U E4U E5U E6U E7U E8U F9U G7U G8U G9U • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5723	1
, French • MT 7259: A2F • MT 7259: B6F B7F A9F B1F B2F C2F C3F C4F • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G C6F C7F C8F C9F D1F D2F D3F D4F D5F D6F F9F G7F G8F G9F • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5704	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5706	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5720	1
Brazilian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5699	1
Italy • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5710	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Dutch • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5712	1
Czech • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5702	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5713	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5717	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5722	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5709	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5705	1
Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5714	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5700	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Traditional Chinese • MT 7259: A1V • MT 7259: A1V B3V • MT 7269: • MT 7279: B2V A8V • MT 7297: A1V A2V • MT 7303: C4V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5701	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5708	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: A2K A4K A5K A6K F2K F4K F5K F6K F7K F8K C1K • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5711	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Slovenia • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5719	1
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5715	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5716	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Sebian- Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5721	1
Slovakian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5718	1
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5698	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5707	1
C&L1 Nordics (English DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5724	1
C&L 2 Switzerland (English FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5725	1

Windows Business 32 Recovery CD with office starter 2010	FRU #	CRU
C&L3 Bel Lux (English FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: C3G A7G A9G B1G B2G B3G • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5726	1

Windows Vista Home Premium 32 Recovery CD	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8709	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8710	1

Windows Vista Home Premium 32 Recovery CD	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8711	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8712	1
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8714	1

Windows Vista Home Premium 32 Recovery CD	FRU #	CRU
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8715	1
Hong Kong Tradition Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8716	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8713	1

Windows Vista Home Premium 32 Recovery CD	FRU #	CRU
C&L1 Nordics (English DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8717	1
C&L 2 Switzerland (English FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8718	1
C&L3 Bel Lux (English FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8719	1

Windows Vista Home Premium 32 Recovery CD	FRU #	CRU
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y9942	1

Windows Vista Business 64 Recovery CD	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8729	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8730	1

Windows Vista Business 64 Recovery CD	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8731	1
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8732	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8733	1

Windows Vista Business 64 Recovery CD	FRU #	CRU
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y9945	1

Windows Vista Ultimate 32 Recovery CD	FRU #	CRU
US English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y1827	1
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8725	1

Windows Vista Ultimate 32 Recovery CD	FRU #	CRU
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8721	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8722	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8723	1

Windows Vista Ultimate 32 Recovery CD	FRU #	CRU
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8724	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8726	1
Arabic Localized • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8727	1

Windows Vista Ultimate 32 Recovery CD	FRU #	CRU
C&L1 Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	64Y8728	1

Windows Vista Starter 32 Recovery CD	FRU #	CRU
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y3639	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y3640	1

Windows Vista Starter 32 Recovery CD	FRU #	CRU
English for Indian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y9944	1

Windows 7 Home Basic 32	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7370	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7371	1

Windows 7 Home Basic 32	FRU #	CRU
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7372	1
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y8660	1
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7373	1

Windows 7 Home Basic 32	FRU #	CRU
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7374	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7375	1
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7376	1

Windows 7 Home Basic 32	FRU #	CRU
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7377	1
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7378	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5765	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5766	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5767	1
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5768	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5769	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5770	1
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5771	1

Windows 7 Home Basic 32 with office starter 2010	FRU #	CRU
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5772	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5773	1
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5774	1

Windows 7 Home Premium 32	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7379	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7380	1
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7381	1

Windows 7 Home Premium 32	FRU #	CRU
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y8661	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7382	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7383	1

Windows 7 Home Premium 32	FRU #	CRU
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7384	1
Japan • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y9342	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7386	1

Windows 7 Home Premium 32	FRU #	CRU
LA Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7387	1
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7388	1
C&L Bel Lux (EN FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7389	1

Windows 7 Home Premium 32	FRU #	CRU
C&L Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7390	1
C&L Switzerland (EN FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7391	1

Windows 7 Home Premium 32 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5775	1

Windows 7 Home Premium 32 with office starter 2010	FRU #	CRU
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5776	1
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5777	1
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5778	1

Windows 7 Home Premium 32 with office starter 2010	FRU #	CRU
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5779	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5780	1
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5781	1

Windows 7 Home Premium 32 with office starter 2010	FRU #	CRU
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5782	1
LA Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5783	1
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5784	1

Windows 7 Home Premium 32 with office starter 2010	FRU #	CRU
C&L Bel Lux (EN FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5785	1
C&L Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5786	1
C&L Switzerland (EN FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5787	1

Windows 7 Professional 32	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7342	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7343	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7344	1

Windows 7 Professional 32	FRU #	CRU
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: S2V S4V S5V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7345	1
Czech • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7346	1
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y8659	1

Windows 7 Professional 32	FRU #	CRU
French • MT 7259: D1F • MT 7259: • MT 7269: F1F F2F • MT 7279: E1G E2G • MT 7297: • MT 7303: BAF BBF BCF • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7347	1
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7348	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7349	1

Windows 7 Professional 32	FRU #	CRU
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7350	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7351	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7352	1

Windows 7 Professional 32	FRU #	CRU
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7353	1
Japanese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y9339	1
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7355	1

Windows 7 Professional 32	FRU #	CRU
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7356	1
Portuguese B/P • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7357	1
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7358	1

Windows 7 Professional 32	FRU #	CRU
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7359	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7360	1
Slovakia • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7361	1

Windows 7 Professional 32	FRU #	CRU
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7362	1
LA Spanish • MT 7259: D1S • MT 7259: • MT 7269: F3S F3D F3Y F1S F2S H1S H1D H1Y • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7363	1
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7364	1

Windows 7 Professional 32	FRU #	CRU
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7365	1
US English • MT 7259: D1U • MT 7259: • MT 7269: F1U F2U • MT 7279: E1G E2G • MT 7297: • MT 7303: BAU BBU BCU • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7366	1
C&L Bel Lux (EN FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7367	1

Windows 7 Professional 32	FRU #	CRU
C&L Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7368	1
C&L Switzerland (EN FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7369	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5788	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5789	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5790	1
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: S2V S4V S5V • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5791	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Czech • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5792	1
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5793	1
French • MT 7259: D1F • MT 7259: • MT 7269: F1F F2F • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5794	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Greek • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5795	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5796	1
Hebrew • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5797	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5798	1
Hungarian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5799	1
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5800	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Korean • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5801	1
Polish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5802	1
Portuguese B/P • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5803	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5804	1
Romanian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5805	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5806	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Slovakia • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5807	1
Slovenian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5808	1
LA Spanish • MT 7259: D1S • MT 7259: • MT 7269: F3S F3D F3Y F1S F2S H1S H1D H1Y • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5809	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5810	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5811	1
US English • MT 7259: D1U • MT 7259: • MT 7269: F1U F2U • MT 7279: E1G E2G • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5812	1

Windows 7 Professional 32 with office starter 2010	FRU #	CRU
C&L Bel Lux (EN FR GR NL) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5813	1
C&L Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5814	1
C&L Switzerland (EN FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5815	1

Windows 7 Professional 64 Recovery CD	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7400	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7401	1
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7402	1

Windows 7 Professional 64 Recovery CD	FRU #	CRU
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y8663	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7403	1
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7404	1

Windows 7 Professional 64 Recovery CD	FRU #	CRU
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7405	1
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7406	1
Japan • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	89Y9343	1

Windows 7 Professional 64 Recovery CD	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7408	1
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7409	1
C&L Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7410	1

Windows 7 Professional 64 Recovery CD	FRU #	CRU
C&L Switzerland (EN FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7411	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5816	1
Simplified Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5817	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
Traditional Chinese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5818	1
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5819	1
French • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5820	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
German • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5821	1
Hong Kong • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5822	1
Italian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5823	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5824	1
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5825	1
C&L Nordics (EN DK FI NO SV) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5826	1

Windows 7 Professional 64 with office starter 2010	FRU #	CRU
C&L Switzerland (EN FR GR IT) • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5827	1

Windows 7 Starter 32 Recovery CD	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7392	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7393	1

Windows 7 Starter 32 Recovery CD	FRU #	CRU
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y8662	1
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7394	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7395	1

Windows 7 Starter 32 Recovery CD	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7396	1
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7397	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7398	1

Windows 7 Starter 32 Recovery CD	FRU #	CRU
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	71Y7399	1

Windows 7 Starter 32 with office starter 2010 Recovery CD	FRU #	CRU
Arabic enabled • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5756	1
Brazilian Portuguese • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5757	1

Windows 7 Starter 32 with office starter 2010 Recovery CD	FRU #	CRU
India English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5758	1
Russian English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5759	1
Russian • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5760	1

Windows 7 Starter 32 with office starter 2010 Recovery CD	FRU #	CRU
Spanish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5761	1
Serbian-Latin • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5762	1
Turkish • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7303: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5763	1

Windows 7 Starter 32 with office starter 2010 Recovery CD	FRU #	CRU
English • MT 7259: • MT 7259: • MT 7269: • MT 7279: • MT 7297: • MT 7306: • MT 7408: • MT 7506: • MT 7514:	03T5764	1

Chapter 11. Additional Service Information

This chapter provides additional information that the service representative might find helpful.

Security features

Security features in this section include the following:

- Passwords
- Vital Product Data
- Management Information Format (MIF)

Hardware controlled Passwords

Hardware controlled passwords are set using the Setup Utility program. For more information about passwords, see “Using passwords” on page 39.

Operating system password

An operating system password is very similar to a power-on password and denies access to the computer by an unauthorized user when the password is activated. The computer is unusable until the password is entered and recognized by the computer.

Vital product data

Each computer has a unique Vital Product Data (VPD) code stored in the nonvolatile memory on the system board. After you replace the system board, the VPD must be updated. To update the VPD, see “Flash update procedures” on page 521.

BIOS levels

An incorrect level of BIOS can cause false errors and unnecessary FRU replacement. Use the following information to determine the current level of BIOS installed in the computer, the latest BIOS available for the computer, and where to obtain the latest level of BIOS.

- To determine the current Level of BIOS:
 - Start the Setup Utility.
 - Select Standard CMOS Features.
- Sources for obtaining the latest level BIOS available
 1. Lenovo support web site: <http://www.lenovo.com/support/>
 2. Lenovo Customer Support Center
 3. Levels 1 and 2 Support

To update (flash) the BIOS, see “Flash update procedures” on page 521.

Flash update procedures

This section details how to flash (update) the BIOS.

Updating (flashing) BIOS from a disc

This section describes how to update (flash) the BIOS using a disc. System BIOS program updates are available at: <http://www.lenovo.com/support>

1. To update (flash) the BIOS from a disc, make sure the computer is turned on. Insert the disc into the optical drive.
2. Turn the computer off and back on again. The update begins.
3. When you are prompted to select a language, press the number on your keyboard that corresponds to the language and then press Enter.
4. When prompted to change the serial number, press Y.
5. Type in the seven character serial number of your computer and then press Enter.
6. When prompted to change the machine type/model, press Y.
7. Type in the seven character machine type/model of your computer and then press Enter.
8. Follow the instructions on the screen to complete the update.

Updating (flashing) BIOS from your operating system

Note: Due to the constant improvements made to the Web site, Web page content (including the links referenced in the following procedure) is subject to change.

1. Go to: <http://www.lenovo.com/support>
2. Locate the downloadable files for your machine type as follows:
 - a. In the **Enter a product** field, type your machine type and click **Go** → **Continue** → **Downloads and drivers**.
 - b. Under the BIOS category, click **Flash BIOS update**.
 - c. Click the TXT file that contains the installation instructions for the flash BIOS update (flash from the operating system version).
3. Print these instructions. This is very important because they are not on the screen after the download begins.
4. Click **Back** to return to the list of files. Carefully follow the printed instructions to download, extract, and install the update.

Recovering from a POST/BIOS update failure

If power to your computer is interrupted while POST/BIOS is being updated (flash update), your computer might not restart correctly. If this happens, perform the following procedure commonly called Boot-block Recovery.

1. Turn off the computer and any attached devices, such as printers, monitors, and external drives.
2. Unplug all power cords from electrical outlets, and remove the computer cover.
3. Access the system board.
4. Locate the Clear CMOS/Recovery jumper on the system board. Refer to “System board connectors” on page 98.
5. Remove any cables that impede access to the Clear CMOS/Recovery jumper.
6. Move the jumper from the standard position (pin 1 and pin 2) to pin 2 and pin 3.

Note: If the system board has only two pins for clearing the CMOS, add a jumper to the two pins.

7. Reinstall any PCI adapter card if removed.
8. Reconnect any cables that were disconnected and reinstall the computer cover.
9. Reconnect the power cords for the computer and monitor to electrical outlets.

10. Turn on the computer and the monitor. Insert the POST/BIOS update (flash) disc into the optical drive.
 11. Turn the computer off and back on again.
 12. The recovery session will take two to three minutes. During this time you will hear a series of beeps. After the update session is completed, there will be no video, the series of beeps will end, and the system will automatically turn off. Remove the disc from the optical drive before the system completely turns off.
 13. Repeat steps 2 through 5.
 14. Replace the Clear CMOS/Recovery jumper to its original position (pin 1 and pin 2).
- Note:** If the system board has only two pins for clearing the CMOS, remove the jumper from the two pins.
15. Reinstall the PCI adapter card if removed.
 16. Reconnect any cables that were disconnected and reinstall the computer cover.
 17. Turn on the computer to restart the operating system.

Power management

Power management reduces the power consumption of certain components of the computer such as the system power supply, processor, hard disk drives, and some monitors.

Automatic configuration and power interface (ACPI) BIOS

Being an ACPI BIOS system, the operating system is allowed to control the power management features of the computer and the setting for Advanced Power Management (APM) BIOS mode is ignored. Not all operating systems support ACPI BIOS mode.

Automatic Power-On features

The Automatic Power-On features within the Power Management menu allow you to enable and disable features that turn on the computer automatically.

- **Serial Port A Ring Detect:** With this feature set to **Enabled** and an external modem connected to serial port (COM1), the computer will turn on automatically when a ring is detected on the modem.
- **PCI Modem Ring Detect:** With this feature set to **Enabled**, the computer will turn on automatically when a ring is detected on the internal modem.
- **PCI Wake Up:** This feature allows PCI cards that support this capability to wake the system.
- **Wake Up on Alarm:** You can specify a date and time at which the computer will be turned on automatically. This can be either a single event or a daily event.
- **Wake on LAN:** If the computer has a properly configured token-ring or Ethernet LAN adapter card that is Wake on LAN-enabled and there is remote network management software, you can use the Wake on LAN feature. When you set Wake on LAN to **Enabled**, the computer will turn on when it receives a specific signal from another computer on the local area network (LAN).

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