



Raspberry Pi

Raspberry Pi 4 Safety and User guide

Designed and distributed by Raspberry Pi Trading Ltd Maurice Wilkes Building Cowley Road Cambridge CB4 0DS UK www.raspberrypi.org

Raspberry Pi Regulatory compliance and safety information

Product name: Raspberry Pi 4 Model B

IMPORTANT: PLEASE RETAIN THIS INFORMATION FOR FUTURE REFERENCE.

<p>Warnings</p> <ul style="list-style-type: none">Any external power supply used with the Raspberry Pi shall comply with relevant regulations and standards applicable in the country of intended use. The power supply should provide 5V DC and a minimum rated current of 3A.
<p>Instructions for safe use</p> <ul style="list-style-type: none">This product should not be overclocked. Do not expose this product to water or moisture, and do not place it on a conductive surface whilst in operation. Do not expose this product to heat from any source; it is designed for reliable operation at normal room temperatures. Do not expose board to high intensity light sources (e.g. xenon flash or laser) Operate this product in a well-ventilated environment, and do not cover it during use. Place this product on a stable, flat, non-conductive surface while in use, and do not let it contact conductive items. Take care while handling this product to avoid mechanical or electrical damage to the printed circuit board and connectors. Avoid handling this product while it is powered. Only handle by the edges to minimize the risk of electrostatic discharge damage. Any peripheral or equipment used with the Raspberry Pi should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. Such equipment includes, but is not limited to, keyboards, monitors, and mice.
<p>For all compliance certificates and numbers, please visit www.raspberrypi.org/compliance.</p>
汉语
<p>Raspberry Pi 4代 B型</p> <p>重要提示 : 请保留此信息以供将来参考。</p> <p>警告</p> <ul style="list-style-type: none">Raspberry Pi 使用的任何外置电源应符合所在国家的相关法规和标准。 电源应提供 5V DC 和 3A 最小额定电流。 <p>安全使用说明</p> <ul style="list-style-type: none">此产品不可超频。 请勿将本产品暴露在水或潮湿环境中；当其运行时，请勿将其置于导电表面上。 请勿将此产品暴露于任何热源；此产品仅适合在正常室温中使用，以确保可靠运行。 请勿将电路板暴露于高强度光源（例如氙气闪光灯或激光） 在通风良好的环境中运行此产品，在使用过程中请勿覆盖。 使用时，请将本产品放在稳定、平坦、绝缘的表面上，请勿让它接触导电物品。 拿放本产品时请小心，以免对印刷电路板和连接器造成机械或电气损坏。

- 本产品通电时避免接触、拿放。拿放时应只接触产品的边缘，以最大限度地降低静电放电损坏的风险。
- Raspberry Pi 使用的任何外设或设备应符合使用国家的相关标准，并进行相应标记，以确保满足安全性和性能要求。如需查询所有合规证书及编号，请访问 www.raspberrypi.org/compliance 。

- Čeština Raspberry Pi 4 Model B DŮLEŽITÉ: TUTO INFORMACI SI PONECHTE PRO POUŽITÍ V BUDOUCNU. Varování
 - Každý externí napájecí zdroj použitý s Raspberry Pi musí splňovat příslušné předpisy a normy platné v zemi určení. Napájecí zdroj by měl poskytovat stejnosměrné napětí 5V a minimální jmenovitý proud 3A. Pokyny pro bezpečné používání
 - Tento výrobek by neměl být přetaktován.
 - Výrobek nevystavujte vodě ani vlhkosti a za provozu ho neumísťujte na vodivý povrch.
 - Výrobek nevystavujte teplu z jakéhokoli zdroje; je navržen pro spolehlivý provoz při normálních pokojových teplotách.
 - Nevystavujte desku světelným zdrojům s vysokou intenzitou (např. Xenonový blesk nebo laser)
 - Výrobek používejte v době větraném prostředí a za provozu ho nepřikrývejte.
 - Výrobek při používání ponechte na stabilním, plochém a nevodivém povrchu a zabraňte jeho dotyku s vodivými předměty.
 - Při manipulaci s výrobkem dbejte na to, abyste zabránili mechanickému nebo elektrickému poškození desky plošných spojů a konektorů.
 - Vyvarujte se manipulace s výrobkem, když je napájen. K manipulaci používejte pouze okraje, abyste minimalizovali riziko poškození elektrostatickým výbojem.
 - Veškerá periferní a další zařízení používaná s Raspberry Pi by měla být v souladu s příslušnými normami země použití a měla by být odpovídajícím způsobem označena, aby se zajistilo, že splňují požadavky na bezpečnost a výkon.
- Všechna osvědčení o shodě a čísla najdete na www.raspberrypi.org/compliance.

<p>Dansk</p>
<p>Raspberry Pi 4 Model B VIGTIGT: OPBEVAR DENNE INFORMATION FOR FREMTIDIG REFERENCE. Advarsler</p> <ul style="list-style-type: none">Eksterne strømforsyninger, der anvendes til Raspberry Pi skal være i overensstemmelse med relevante bestemmelser og standarder, som er gældende i det land, hvor anvendelsen er tiltænkt. Strømforsyningen skal give 5 V jævnstrøm og en nominal strømstyrke på mindst 3 A. Instruktioner for sikker brug Dette produkt må ikke overophedes. Udsæt ikke dette produkt for vand eller fugt, og sæt det ikke på en ledende overflade under drift. Udsæt ikke dette produkt for varme fra nogen kilder; det er designet til pålidelig drift ved normal stuetemperatur. Udsæt ikke kortet for lyskilder med høj intensitet (f.eks. Xenon-flash eller laser) Anvend dette produkt i et godt ventileret miljø, og tildæk det ikke under brug. Anbring dette produkt på en stabil, flad og ikke-ledende overflade under brug, og lad det ikke komme i berøring med ledende genstande. Vær forsigtig ved håndtering af dette produkt for at undgå mekanisk eller elektrisk beskadigelse af printkort og stik. Undgå håndtering af dette produkt, mens det er tændt. Må kun håndteres ved at holde i kanterne for at minimere risikoen for skader ved elektrostatisk udladning. Alt perifert udstyr eller udstyr, der anvendes til Raspberry Pi skal overholde relevante standarder i landet for anvendelse og mærkes i overensstemmelse hermed for at sikre, at kravene for sikkerhed og ydeevne er opfyldt. For alle overensstemmelsescertifikater og numre, gå på www.raspberrypi.org/compliance.

<p>Nederlands</p>
<p>Raspberry Pi 4 Model B BELANGRIJK: BEWAAR DEZE INFORMATIE VOOR TOEKOMSTIGE VERWIJZING.</p>
<p>Waarschuwingen</p> <ul style="list-style-type: none">Elke externe voeding die met de Raspberry Pi wordt gebruikt, moet voldoen aan de relevante voorschriften en normen die van toepassing zijn in het land van het beoogde gebruik. De voeding moet 5V DC en een minimale nominale stroom van 3A leveren. Instructies voor veilig gebruik Dit product mag niet overklokt worden. Stel dit product niet bloot aan water of vocht en plaats het tijdens gebruik niet op een geleidend oppervlak. Stel dit product niet bloot aan warmte van welke bron dan ook; het is ontworpen voor betrouwbare werking bij normale kamertemperatuur. Stel het bord niet bloot aan lichtbronnen met een hoge intensiteit (bijv. Xenonflits of laser) Gebruik dit product in een goed geventileerde omgeving en dek het niet af tijdens gebruik. Plaats dit product tijdens het gebruik op een stabiel, plat, niet-geleidend oppervlak en laat het niet in contact komen met geleidende items. Wees voorzichtig met het gebruik van dit product om mechanische of elektrische schade aan de printplaat en connectoren te voorkomen. Gebruik dit product niet terwijl het wordt gevoed. Alleen aan de randen vasthouden om het risico op schade door elektrostatische ontlading te minimaliseren. Alle randapparatuur of apparatuur die met de Raspberry Pi wordt gebruikt, moet voldoen aan de relevante normen voor het land van gebruik en dienovereenkomstig worden gemarkeerd om ervoor te zorgen dat wordt voldaan aan de veiligheids- en prestatie-eisen. Ga naar www.raspberrypi.org/compliance.
<p>Suomi</p>
<p>Raspberry Pi 4 Malli B TÄRKEÄÄ: SÄILYTTÄ NÄMÄ TIEDOT MYÖHEMMÄN KÄYTÖN VARALTA. Varoituksia</p> <ul style="list-style-type: none">Kaikkien ulkoisen Raspberry Pi -laitteessa käytettyjen virtalähteiden on noudatettava käyttöaassa sovellettavia asiaankuuluvia asetuksia ja standardeja. Virtalähteen virran on oltava 5V DC minimin nimellisivirran ollessa 3A. Ohjeet turvallista käyttöä varten Tätä tuotetta ei saa ylikuormittaa. Älä altista tätä tuotetta vedelle tai kosteudelle, äläkä aseta sitä johtavalle pinnalle sen ollessa toiminnassa. Älä altista tätä tuotetta mistään lähteestä aiheutuvalle kuumuudelle; se on suunniteltu luotettavaa toimintaa varten normaaleissa huonelämpötiloissa. Älä altista korttia korkean intensiteetin valonlähteille (esim. Ksenonlamppu tai laser) Käytä tätä tuotetta hyvin ilmastoidussa lämpötilassa, äläkä peitä sitä käytön aikana. Aseta tämä tuote vakaalle, tasaiselle, ei-johtavalle pinnalle sen ollessa käytössä, äläkä anna sen koskettaa johtavia kohteita. Noudata varovaisuutta tätä tuotetta käsiteltäessä mekaanisen tai sähköisen vaurioitumisen estämiseksi painetulle piirilevyllä ja liittimille. Vältä tämän tuotteen käsitteilyä sen ollessa kytkettynä virtalähteeseen. Käsittele vain reunoista sähköstaattisen purkautumisen vaaran minimoimiseksi. Kaikkien Raspberry Pi -laitteiden kanssa käytettävien oheislaitteiden ja muiden laitteiden on oltava käyttömaan asianmukaisten standardien mukaisia, ja niiden on oltava merkittyjä sen varmistamiseksi, että turvallisuus ja suorituskykyvaatimukset täytetään. Lisätietojen saamiseksi kaikista vaatimustenmukaisuusertifikaateista vieraile verkkosivustolla www.raspberrypi.org/compliance.
<p>Français</p>
<p>Raspberry Pi 4 Modèle B IMPORTANT: VEUILLEZ CONSERVER CETTE INFORMATION POUR VOUS Y REPORTER ULTÉRIEUREMENT. Avertissements</p>

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<p>Raspberry Pi 4 Model B</p>

- Toute alimentation électrique externe utilisée avec le Raspberry Pi doit être conforme aux réglementations et normes applicables dans le pays d'utilisation. L'alimentation électrique doit fournir 5 V CC et un courant nominal minimum de 3 A. Consignes pour une utilisation en toute sécurité
- Ce produit ne doit pas être utilisé à une vitesse supérieure à celle prévue pour son usage.
- N'exposez pas ce produit à l'eau ou à l'humidité et ne le placez pas sur une surface conductrice pendant le fonctionnement.
- N'exposez pas ce produit à la chaleur quelle qu'en soit la source; il est conçu pour un fonctionnement fiable à des températures ambiantes normales.
- N'exposez pas la carte à des sources de lumière de haute intensité (par exemple flash au xénon ou laser)
- Faites fonctionner ce produit dans un environnement bien ventilé et ne le couvrez pas pendant l'utilisation.
- Placez ce produit sur une surface stable, plane et non conductrice pendant son utilisation et ne le laissez pas en contact avec des éléments conducteurs.
- Faites attention lors de la manipulation de ce produit pour éviter tout dommage mécanique ou électrique au niveau de la carte de circuit imprimé et des connecteurs.
- Évitez de manipuler ce produit lorsqu'il est sous tension. Ne manipulez que par les bords afin de minimiser les risques de dommages dus aux décharges électrostatiques.
- Tout périphérique ou équipement utilisé avec le Raspberry Pi doit être conforme aux normes applicables dans le pays d'utilisation et être marqué en conséquence pour garantir la sécurité et les performances.
- Pour tous les certificats et numéros de conformité, veuillez consulter www.raspberrypi.org/compliance

<p>Deutsch</p>
<p>Raspberry Pi 4 Modell B WICHTIG: BITTE BEWAHREN SIE DIESE INFORMATIONEN FÜR ZUKÜNFTIGE REFERENZ. Achtung</p> <ul style="list-style-type: none">Jedes externe Netzteil, das mit dem Raspberry Pi verwendet wird, muss den einschlägigen Vorschriften und Normen entsprechen, die im Bestimmungsland gelten. Die Stromversorgung sollte 5 V Gleichstrom und einen minimalen Nennstrom von 3 A liefern. Anweisungen für die sichere Verwendung Dieses Produkt sollte nicht übertaktet werden. Setzen Sie dieses Produkt nicht Wasser oder Feuchtigkeit aus und stellen Sie es während des Betriebs nicht auf eine leitfähige Oberfläche. Setzen Sie dieses Produkt keiner Wärmequelle aus. Es ist für einen zuverlässigen Betrieb bei normalen Raumtemperaturen ausgelegt. Stel het bord niet bloot aan lichtbronnen met een hoge intensiteit (bijv. Xenonflits of laser) Betreiben Sie dieses Produkt in einer gut belüfteten Umgebung und decken Sie es während des Gebrauchs nicht ab. Stellen Sie dieses Produkt während des Gebrauchs auf eine stabile, flache, nicht leitende Oberfläche und lassen Sie es nicht mit leitfähigen Gegenständen in Berührung kommen. Seien Sie vorsichtig beim Umgang mit diesem Produkt, um mechanische oder elektrische Schäden an der Leiterplatte und den Anschlüssen zu vermeiden. Vermeiden Sie die Handhabung dieses Produkts während der Stromversorgung. Produkt nur an den Rändern anfassen, um das Risiko von elektrostatischen Entladungsschäden zu minimieren. Alle Peripheriegeräte oder Geräte, die mit dem Raspberry Pi verwendet werden, müssen den geltenden Normen für das jeweilige Land entsprechen und entsprechend gekennzeichnet sein, um zu gewährleisten, dass die Sicherheits- und Leistungsanforderungen erfüllt werden. Alle Konformitätszertifikate und -nummern finden Sie auf www.raspberrypi.org/compliance.

<p>Italiano</p>

<p>Raspberry Pi 4 Model B</p>

<p>IMPORTANTE: CONSERVARE QUESTE INFORMAZIONI PER RIFERIMENTO FUTURO. Avvisi</p> <ul style="list-style-type: none">Tutti gli alimentatori esterni utilizzati con il Raspberry Pi devono essere conformi alle normative e agli standard pertinenti applicabili nel paese di utilizzo previsto. L'alimentatore utilizzato dovrà fornire 5 V CC e una corrente nominale minima di 3 A. Istruzioni per l'utilizzo in sicurezza Questo prodotto non deve essere overcloccato. Non esporre questo prodotto all'acqua o all'umidità e non collocarlo su una superficie conduttiva mentre è in funzione. Non esporre questo prodotto a fonti di calore. Il prodotto è progettato per un funzionamento affidabile solo alla normale temperatura ambiente. Non esporre la scheda a fonti di luce ad alta intensità (ad esempio flash allo xeno o laser) Utilizzare questo prodotto in un ambiente ben ventilato e non coprirlo durante l'uso. Per l'uso, collocare questo prodotto su una superficie stabile, piana e non conduttiva. Evitare che venga in contatto con oggetti conduttivi. Durante l'uso o lo spostamento del prodotto prestare attenzione ad evitare danni meccanici o elettrici al circuito stampato e ai connettori. Evitare di maneggiare questo prodotto mentre è alimentato. Afferrare solo dai bordi per ridurre al minimo il rischio di danni da scariche elettrostatiche. Tutte le periferiche e le apparecchiature utilizzate con il Raspberry Pi devono essere conformi agli standard pertinenti per il paese di utilizzo ed essere dotate del relativo marchio a garanzia della conformità con i requisiti di sicurezza e prestazioni necessari. Per informazioni su numeri e certificati di conformità, visitare www.raspberrypi.org/compliance.

<p>日本語</p>
<p>Raspberry Pi 4モデル B 重要: 将来参照できるようにこの情報は保管しておいてください。 警告</p> <ul style="list-style-type: none">Raspberry Pi と共に使用する外部電源は使用対象国内の規制や基準に準拠したものにしてください。 電源の出力は 5V DC で最低定格電流が 3A でなければなりません。 安全な使用のための説明 本製品をオーバークロックしてはなりません。 本製品を水や湿気にさらしたり、動作中に導電性の面に置いてはなりません。 本製品をどんな熱源からの熱にもさらさないでください。 本製品は通常の室温で動作するように設計されています。 ボードを高強度の光源（キセノンフラッシュやレーザーなど）にさらさないでください。 本製品は通気性の良い環境で使用し、使用中に密閉しないでください。 本製品の使用中は本製品を平らな安定した非導電性の面に置き、導電性の物に接触させないでください。 本製品を扱う際は慎重に取り扱い、プリント基板およびコネクター類への物理的または電氣的損傷を避けてください。 電源が入っている状態で本製品に触れることは避けてください。 静電放電による損傷のリスクを最小限にするため、持つ際は端を持ってください。 安全と性能の要件を満たすため、Raspberry Pi と共に使用する周辺機器または装置は使用国内の規制や基準に準拠したものに、該当する表記のあるもの にしてください。 <p>すべての順守証明書および番号については www.raspberrypi.org/compliance を参照してください</p>
<p>한국어</p>
<p>Raspberry Pi 4 모델 B 중요: 추후 참조를 위해 이 정보를 보관하십시오. 경고</p>

- Raspberry Pi 와 함께 사용되는 모든 외부 전원 공급 장치는, 해당 국가에서 적용되는 관련 규정 및 표준을 준수해야합니다. 전원 공급 장치는 5V DC, 최소 정격 전류 3A 를 공급해야 합니다.
- 안전한 사용을 위한 지침
- 본 제품을 '오버클럭' 해서는 안됩니다.
- 본 제품을 물이나 습기에 노출시키지 말고, 작동 중에 전도성 표면 위에 놓지 마십시오.
- 본 제품을 모든 소스의 열에 노출시키지 마십시오. 일반적인 실내 온도에서 안정적인 작동을 하도록 설계되었습니다.
- 보드를 고강도 광원 (예 : 크세는 플래시 또는 레이저)에 노출시키지 마십시오.
- 본 제품을 통풍이 잘되는 환경에서 사용하고, 사용 중에는 덮지 마십시오.
- 이 제품을 사용하는 동안 안정적이고 평평한 비전도성 표면에 놓고, 전도성 물품에 접촉시키지 마십시오.
- 인쇄회로기판 및 커넥터의 기계적 또는 전기적 손상을 방지하기 위해, 본 제품을 취급할 때 주의하십시오.
- 전원이 공급되는 동안에는 본 제품을 다루지 마십시오. 정전기로 인한 손상 위험을 최소화하기 위해 가장자리만 잡으십시오.
- Raspberry Pi 와 함께 사용되는 모든 주변 장치 또는 장비는, 해당 사용 국가의 관련 표준을 준수해야 하며 또한 안전 및 성능 요구사항을 충족하도록 표시해야 합니다. 모든 준수 인증서 및 번호는, 다음 사이트를 참조하십시오. www.raspberrypi.org/compliance.

<p>Polski</p>
<p>RaspBerry Pi 4 Model B WAŻNE: PROSIMY ZACHOWAĆ TE INFORMACJE NA PRZYSZŁOŚĆ. Ostrzeżenia</p> <ul style="list-style-type: none">Wszelkie zewnętrzne źródła zasilania używane z RaspBerry Pi powinny być zgodne z odpowiednimi przepisami i normami obowiązującymi w kraju przeznaczenia. Zasilacz powinien zapewniać napięcie 5V DC i minimalny prąd znamionowy 3A. Instrukcje bezpiecznego użytkowania Ten produkt nie powinien być przetaktowany. Nie należy wystawiać tego produktu na działanie wody ani wilgoci, ani umieszczać go na powierzchni przewodzącej podczas pracy. Nie należy wystawiać tego produktu na działanie ciepła z jakiegokolwiek źródła, produkt zaprojektowano tak, aby działał niezawodnie w normalnej temperaturze pokojowej. Nie wystawiaj płyty na działanie źródeł światła o wysokiej intensywności (np. Ksenonowej lampy błyskowej lub lasera) Używaj w dobrze wentylowanym otoczeniu i nie zakrywaj podczas użytkowania. Podczas użytkowania należy umieścić produkt na stabilnej, płaskiej, nieprzewodzącej powierzchni i nie dopuścić do kontaktu z przedmiotami przewodzącymi prąd. Należy zachować ostrożność podczas obchodzenia się z produktem, aby uniknąć mechanicznego lub elektrycznego uszkodzenia płyty z obwodami drukowanymi i złączy. Nie należy przenosić produktu, gdy jest podłączony do zasilania. Trzymać wyłącznie za krawędzie, aby zminimalizować ryzyko uszkodzenia w wyniku wyładowań elektrostatycznych. Wszelkie urządzenia peryferyjne lub sprzęt używany z RaspBerry Pi powinny być zgodne z odpowiednimi normami dla kraju użytkowania i być odpowiednio oznakowane, aby zapewnić spełnienie wymagań bezpieczeństwa i wymogów eksploatacyjnych. Wszystkie certyfikaty zgodności i numery można znaleźć na stronie www.raspberrypi.org/compliance. Português do Brasil
<p>Raspberry Pi 4 Modelo B IMPORTANTE: POR FAVOR, GUARDE ESTAS INFORMAÇÕES PARA REFERÊNCIA FUTURA. Avisos</p> <ul style="list-style-type: none">Qualquer fonte de alimentação externa usada com o RaspBerry Pi deve cumprir os regulamentos e normas aplicáveis no país de utilização. A fonte de alimentação deve fornecer 5V CC e uma corrente nominal mínima de 3A.

Instruções para o uso seguro

- Este produto não deve ser usado em overclock.
- Não exponha este produto à água ou à umidade, e não o coloque em uma superfície condutora durante a operação.
- Não exponha este produto ao calor de qualquer fonte; Ele é projetado para operação confiável à temperatura ambiente.
- Não exponha a placa a fontes de luz de alta intensidade (por exemplo, flash xenon ou laser)
- Opere este produto em um ambiente bem ventilado e não o cubra durante o uso.
- Coloque este produto em uma superfície estável, plana e não condutora durante o uso, e não deixe que entre em contato com dispositivos que conduzem eletricidade.
- Tome cuidado ao manusear este produto para evitar danos mecânicos ou elétricos à placa de circuito impresso e aos conectores.
- Evite manusear este produto enquanto estiver ligado. Somente manuseie pelas bordas (laterais) para minimizar o risco de dano por descarga eletrostática.
- Qualquer periférico ou equipamento usado com o Raspberry Pi deve cumprir os padrões de fabricação e uso relevantes para o país e assim garantir que os requisitos de segurança e desempenho sejam atendidos. Para todos os certificados conformidade e números, visite www.raspberrypi.org/compliance.

Русский

Raspberry Pi 4 Модель В
ВАЖНО: СОХРАНИТЕ ЭТУ ИНФОРМАЦИЮ ДЛЯ БУДУЩЕГО ИСПОЛЬЗОВАНИЯ. Внимание!

- Любой внешний источник питания, используемый с Raspberу Pi, должен соответствовать соответствующим нормам и стандартам, применяемым в стране предполагаемого использования. Источник питания должен обеспечивать 5 В постоянного тока и минимальный номинальный ток 3 А. Инструкции по безопасному использованию
- Этот продукт не должен использоваться вопреки нормативам производителя.
- Не подвергайте этот продукт воздействию воды или влаги и не размещайте его на проводящей поверхности во время работы.
- Не подвергайте этот продукт воздействию тепла из любого источника; он предназначен для надежной работы при нормальной комнатной температуре.
- Не подвергайте плату воздействию источников света высокой интенсивности (например, ксеноновая вспышка или лазер)
- Эксплуатируйте этот продукт в хорошо проветриваемой среде и не накрывайте его во время использования.
- Поместите этот продукт на устойчивую, плоскую, непроводящую поверхность во время использования и не позволяйте ему контактировать с проводящими изделиями.
- Соблюдайте осторожность при обращении с этим продуктом, чтобы избежать механического или электрического повреждения печатной платы и разъемов.
- Избегайте обращения с этим продуктом во время его питания. Используйте только края, чтобы свести к минимуму риск повреждения электростатического разряда.
- Любое периферийное устройство или оборудование, используемое с Raspberу Pi, должно соответствовать соответствующим стандартам для страны использования и быть соответствующим образом маркировано для обеспечения соблюдения требований безопасности и производительности. Для всех сертификатов соответствия и номеров, пожалуйста, посетите www.raspberrypi.org/compliance.

Español

Raspberry Pi 4 Modelo B
IMPORTANTE: POR FAVOR CONSERVE ESTA INFORMACIÓN PARA FUTURA REFERENCIA.
Advertencias

- Cualquier fuente de alimentación externa utilizada con la Raspberry Pi deberá cumplir con las correspondientes regulaciones y normas aplicables en el país de uso previsto. La fuente de alimentación debe proporcionar 5V DC y una corriente nominal mínima de 3A. Instrucciones para un uso seguro
- Este producto no debe ser usado con una frecuencia de reloj superior a la nominal. (No se debe overclockear).
- No exponga este producto al agua o a la humedad, y no lo coloque sobre una superficie conductora mientras está en funcionamiento.
- No exponga este producto a ningún tipo de fuente de calor; está diseñado para un funcionamiento fiable a temperatura ambiente normal.
- No exponga la placa a fuentes de luz de alta intensidad (por ejemplo, flash de xenón o láser)
- Utilice este producto en un ambiente bien ventilado, y no lo cubra durante el uso.
- Coloque este producto sobre una superficie estable, plana y no conductora mientras esté en uso, y no permita que entre en contacto con elementos conductores.
- Tenga cuidado al manipular este producto para evitar daños mecánicos o eléctricos en la placa de circuito impreso y en los conectores.
- Evite manipular este producto mientras está encendido. Sujételo solo por los bordes para minimizar el riesgo de daños por descargas electrostáticas.
- Cualquier periférico o equipo utilizado con la Raspberry Pi debe cumplir con las normas aplicables en el país de uso y debe estar marcado en consecuencia para garantizar que se cumplen los requisitos de seguridad y rendimiento. Para obtener todos los certificados de conformidad y sus números de registro, visite www.raspberrypi.org/compliance.


Svenska

- Raspberry Pi 4 Modell B
VIKTIGT: BEHÅLL DENNA INFORMATION FÖR FRAMTIDA REFERENS.
- Alla externa strömförsörjningar som används med Raspberry Pi måste uppfylla alla tillämpliga regler och standarder i det land där de används. Strömförsörjningen måste tillhandahålla 5 VDC och ha en lägsta märkström på 3 A. Instruktioner för säker användning
- Produkten bör inte överklockas.
- Utsätt inte produkten för vatten eller fukt, och placera den inte på en ledande yta medan den är i drift.
- Utsätt inte produkten för värme från någon värmekälla. Den är utformad för tillförlitlig drift vid normal rumstemperatur.
- Utsätt inte korret för ljuskällor med hög intensitet (t.ex. xenon-blixt eller laser)
- Använd produkten i en väl ventilerad miljö, och täck inte över den vid användning.
- Placera produkten på en stabil, isolerad yta vid användning, och låt den inte komma i kontakt med ledande föremål.
- Var försiktig när du hanterar produkten för att undvika mekaniska eller elektriska skador på kretskortet och kontakterna.
- Undvik att hantera produkten med strömmen på. Håll den endast i kanterna för att undvika elektrostatiska urladdningar.
- Eventuell kringutrustning och utrustning som används med Raspberry Pi måste uppfylla relevanta standarder i det land där den används, och den bör märkas så att säkerhets- och prestandakrävna uppfylls. Besök www.raspberrypi.org/compliance, för alla certifikat och nummer om överensstämmelse.

EU Radio Equipment Directive (2014/53/EU) Declaration of Conformity (DoC)

We, Raspberry Pi (Trading) Limited, Maurice Wilkes Building, Cowley Road, Cambridge, CB4 0DS, United Kingdom, Declare under our sole responsibility that the product: Raspberry Pi 4 Model B to which this declaration relates is in conformity with the *essential requirements* and *other relevant requirements* of the Radio Equipment Directive (2014/53/EU). The product is in conformity with the following standards and/or other normative documents: SAFETY (art 3.1.a): **IEC 60950-1: 2005 (2nd Edition) and EN 62311: 2008 EMC (art 3.1.b): **EN 301 489-1/ EN 301 489-17 Ver. 3.1.1 (assessed in conjunction with ITE standards EN 55032 and****

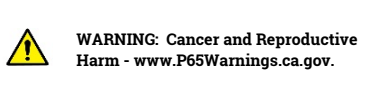
EN 55024 as Class B equipment) SPECTRUM (art 3. 2): **EN 300 328 Ver 2.1.1, EN 301 893 V2.1.0**
In accordance with Article 10.8 of the Radio Equipment Directive: The device ‘Raspberry Pi 4 Model B’ operates in compliance with harmonised standard EN 300 328 v2.1.1 and transceives within the frequency band 2,400 MHz to 2,483.5 MHz and, as per Clause 4.3.2.2 for wideband modulation type equipment, operates at a maximum e.i.r.p. of 20dBm. The device ‘Raspberry Pi 4 Model B also operates in compliance with harmonised standard EN 301 893 V2.1.1 and transceives within the frequency bands 5150-5250MHz, 5250-5350MHz, and 5470-5725MHz and, as per Clause 4.2.3.2 for wideband modulation type equipment, operates at a maximum e.i.r.p. of 23dBm (5150-5350MHz) and 30dBm (5450-5725MHz). In accordance with Article 10.10 of the Radio Equipment Directive, and as per below list of country codes, the operating bands 5150-5350MHz are strictly for indoor usage only.

BE	BG		CZ	DK
DE	EE		IE	EL
ES	FR	HR	IT	CY
LV	LT	LU	H U	MT
NL	AT	PL	PT	RO
SI	SK	FI	SE	UK

The Raspberry Pi complies with the relevant provisions of the RoHS Directive for the European Union.

WEEE Directive Statement for the European Union

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling. Note: A full online copy of this Declaration can be found at www.raspberrypi.org/compliance/



FCC

Raspberry Pi 4 Model B
FCC ID: 2ABCB-RP14B
This device complies with Part 15 of FCC Rules, Operation is Subject to following two conditions:(1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that cause undesired operation. Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user s authority to operate the equipment. This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Re-orient or relocate the receiving antenna
• Increase the separation between the equipment and receiver
• Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help.

For products available on the USA/Canada market, only channels 1 to 11 are available for 2.4GHz WLAN

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter except in accordance with FCC’s multi-transmitter procedures.

This device operates in the 5.15~5.25GHz frequency range and is restricted to in indoor use only.

IMPORTANT NOTE: FCC Radiation Exposure Statement, Co-location of this module with other transmitter that operate simultaneously

are required to be evaluated using the FCC multi-transmitter procedures. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The device contains an integral antenna hence, the device must be installed to so that a separation distance of at least 20cm from all persons.

ISED

Raspberry Pi 4 Model B
IC: 20953-RP14B
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :(1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

For products available on the USA/Canada market, only channels 1 to 11 are available for 2.4GHz WLAN
Selection of other channels is not possible.
Pour les produits disponibles sur le marché USA / Canada, seuls les canaux 1 à 11 sont disponibles pour le réseau local sans fil 2,4 GHz. La sélection d’autres canaux n’est pas possible. This device and its antenna(s) must not be co-located with any other transmitters except in accordance with IC multi-transmitter product procedures. Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnemment en association avec une autre antenne ou transmetteur. The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l’intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.
IMPORTANT NOTE: IC Radiation Exposure Statement: This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum separation distance of 20cm between the device and all persons. Cet équipement est conforme aux limites d’exposition au rayonnement IC RSS-102 définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance de séparation minimale de 20 cm entre l’appareil et toutes les personnes.

INTEGRATION INFORMATION FOR THE OEM

It is the responsibility of the OEM / Host product manufacturer to ensure continued compliance to FCC and ISED Canada certification requirements once the module is integrated in to the Host product. Please refer to FCC KDB 996369 D04 for additional information. The module is subject to the following FCC rule parts: 15.207, 15.209, 15.247, 15.403 and 15.407

Host Product User Guide Text

FCC Compliance

This device complies with Part 15 of FCC Rules, Operation is Subject to following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received including interference that cause undesired operation.

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user s authority to operate the equipment.

This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Re-orient or relocate the receiving antenna
• Increase the separation between the equipment

and receiver

• Connect the equipment into an outlet on a different circuit from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help.
For products available in the USA/Canada market, only channels 1 to 11 are available for 2.4GHz WLAN. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter except in accordance with FCC’s multi-transmitter procedures. This device operates in the 5.15~5.25GHz frequency range and is restricted to in indoor use only.

ISED Canada Compliance

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :(1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.For products available in the USA/Canada market, only channels 1 to 11 are available for 2.4GHz WLAN
Selection of other channels is not possible.Pour les produits disponibles sur le marché USA / Canada, seuls les canaux 1 à 11 sont disponibles pour le réseau local sans fil 2,4 GHz. La sélection d’autres canaux n’est pas possible. This device and its antenna(s) must not be co-located with any other transmitters except in accordance with IC multi-transmitter product procedures. Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionnement en association avec une autre antenne ou transmetteur. The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l’intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.
IMPORTANT NOTE: IC Radiation Exposure Statement: This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum separation distance of 20cm between the device and all persons. Cet équipement est conforme aux limites d’exposition au rayonnement IC RSS-102 définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance de séparation minimale de 20 cm entre l’appareil et toutes les personnes.

Host Product Labelling. The host product must be labelled with the following information:

“Contains TX FCC ID: 2ABCB-RP14B”
“Contains IC: 20953-RP14B”

“This device complies with Part 15 of FCC Rules, Operation is Subject to following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received including interference that cause undesired operation.”

Important Notice to OEMs:

The FCC Part 15 text must go on the Host product unless the product is too small to support a label with the text on it. It is not acceptable just to place the text in the user guide.

E-Labeling

It is possible for the Host product to use e-labelling providing the Host product supports the requirements of FCC KDB 784748 D02 e labelling and ISED Canada RSS-Gen, section 4.4.

E-labelling would be applicable for the FCC ID, ISED Canada certification number and the FCC Part 15 text.

Changes in Usage Conditions of this Module

This device has been approved as a Mobile device in accordance with FCC and ISED Canada requirement. This means that there must be a minimum separation distance of 20cm between the Module’s antenna and any persons. A change in use that involves a separation distance ≤20cm (Portable usage) between the Module’s antenna and any persons is a change in the RF exposure of the module and, hence, is subject to a FCC Class 2 Permissive Change and a ISED Canada Class 4

Permissive Change policy in accordance with FCC KDB 996396 D01 and ISED Canada RSP-100. As noted above, This device and its antenna(s) must not be co-located with any other transmitters except in accordance with IC multi-transmitter product procedures. If the device is co-located with multiple antennas, the module could be subject to a FCC Class 2 Permissive Change and a ISED Canada Class 4 Permissive Change policy in accordance with FCC KDB 996396 D01 and ISED Canada RSP-100. In accordance with FCC KDB 996369 D03, section 2.9, test mode configuration information is available from the Module manufacturer for the Host (OEM) product manufacturer.

Spain

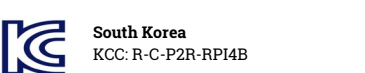
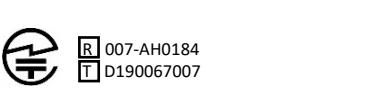
“La operación de este equipo está sujeta a las siguientes dos condiciones”1. Es posible que este equipo o dispositivo no cause interferencia perjudicial
2. Este equipo o dispositivo debe aceptar cualquier interferencia. Incluyendo la que pueda causar su operación no deseada.

Australia and New Zealand

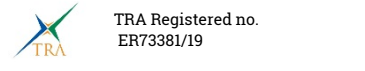
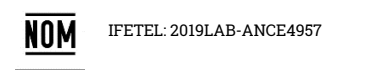
Class B Emissions Compliance Statement
Warning: This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Japan

In door use only, except for connection to Base stations or Land mobile relay stations for a 5.2 GHz band high-power data communication system. Do not apply DC voltage to PoE pins.
「当該無線設備の送信は5.2GHz帯高出力データ通信システムの基地局又は陸上移動中継局と通信する場合を除き屋内においてのみ可能」



사용자 안내문 이기기는 업무용 환경에서 사용용 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우전자파감쇠의 우려가 있습니다.본 기기는 통상 이용 상태의 경우 인체(머리, 몸통)와 20cm 초과하는 거리에서 사용되어야 합니다.
실내전용
China CMIIT ID 2019AJ10494



NTC
Type Approved:
NO.: ESD-GEC-1920098C



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