TRIBUTE TO INNOVATION

GMKtec

Geek/Modern/(K)Creativity

GMKtec NUCBOX K16 USER MANUAL

Friendly Reminder

Thank you for choosing GMKtec, please read this user manual carefully and save it for future reference.
The information contained in this document is subject to change without further notice, nothing in this document should be construed as creating any additional warranty. GMKtec shall not be liable for technical or editorial errors or omissions that may appear in this document.
Please note: If you are using a wireless mouse or keyboard, a wireless dongle (typically included with your mouse and keyboard set) is required for the initial Microsoft account setup. Once the setup is complete, you can enable Bluetooth and Wi-Fi to connect additional wireless devices.
If there are any problems during the use, pls contact us via the email address in the user manual, we are always here to support you.

Safety warnings and precautions

Before using and operating this equipment, please read and observe the following precautions carefully to avoid dangerous or illegal operations.

Use environment
Do not use the device in dusty and humid places to avoid causing internal circuit failures;
Do not place this equipment near heating objects such as electric heaters;
The working temperature of this equipment is 0-40 degrees, and the normal working temperature is 10-90% RH.

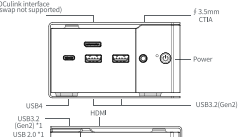
Power
Please use the special charger that comes standard with this product;

Waterproof
This device is not waterproof, please keep it dry;

Maintenance
For all maintenance services, please contact the dealer' s maintenance personnel;Do not insert any sharp objects into the device; Do not drop or bump the device to avoid damage to the device.

About the Device

Before use, please familiarize yourself with the interface and buttons of the device.



Technical specifications

CPU		Ryzen 7000 series, AMD Ryzen 7 7735HS 8 cores/16 threads, TSMC 6nm FinFET process up to 4.75GHz, 512 KB L1 Cache / 4 MB L2 Cache / 16 MB L3 Cache
GPU		AMD Radeon™ 680M
RAM		LPDDR5 6400MT/s on-board memory, 32GB (Product capacity is subject to actual purchase)
Storage		2*M.2 2280 PCIe 3.0 SSD 512G/1TB (Product capacity is subject to actual purchase)
Network	WiFi	Wi-Fi6E 802.11 a/b/g/n/ac/ax
	BT	BT 5.2
	Ethernet	RJ45 2.5G*2
Charger		DC IN , 19V 6.32A
Packing list		1 * Mini PC + 1 * Manual/Warranty Card + 1 * Power Adapter + 1.7AC Power Cord + 1 * HDMI cable

Note: The pictures listed in this manual are for reference only. Product specifications/button definitions and appearance are subject to change without further notice.

Connection Steps

1.Please use the power adapter that comes with this product;

2. Connect the monitor with the HDMI cable, please make sure that the HDMI cable is qualified;

3. Connect the keyboard and mouse;

4. During the first system startup, please follow the Windows startup guide. During this process, remember not to disconnect the power supply. It will take about ten minutes for the first startup to enter the user desktop. please wait patiently;

5. Before the system starts the process, please turn off WiFi and LAN and select the "skip option" to prevent being unable to skip registration and log in to your personal account after connecting to the internet.

Picture for reference only

Basic Setting

How to enter the BIOS settings page

1. In the shutdown state, press the power button, the button light will turn on,
and then continuously click the ESC key on the keyboard until the system BIOS
interface - Aptio Setup AMI interface appears on the screen.

How to modify boot options

1. Insert the storage device that needs to be started, such as a USB flash drive
or solid-state drive, into the host.
2. Temporary modification: In the shutdown state, press the power button, the button light will turn on, and then continuously click the F7 key on the keyboard until the device startup option selection interface appears on the screen. Select the storage device as needed to start, and then press the Enter
key on the keyboard to confirm.
3. Permanent modification: Enter the BIOS settings page, use the keyboard arrow keys ← → to switch to the BOOT interface, then use the keyboard arrow keys ↑ ↓ to select the first boot option
- Boot Option # 1, press Enter to enter the device selection interface, select the storage device as needed to start, press F10 to save the modifications, and then press Enter on the keyboard to confirm.

How to modify the power consumption mode of the CPU

1. Enter the BIOS settings page, select the Main page on the main interface, use the keyboard arrow keys ↑ ↓ to select PowerLimit Setting, and press Enter to enter the desired power consumption mode.
2. There are three modes to choose from
Silent mode: The computer achieves optimal system performance at normal acoustic levels.
Balance mode (default setting): The computer operates at its best with balanced noise and better performance.
Performance mode: All fans in the computer will run at full speed, with a certain amount of fan noise, providing a better and higher performance work and entertainment experience.

How to modify the power on mode

1. Enter the BIOS settings page, select the Advanced page on the main interface, use the keyboard arrow keys ↑ ↓ to select Auto Power On, press Enter to enter the options to turn on or off, press F10 to save the changes, and then press Enter to confirm

FCC Caution

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

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

Note: This equipment has been tested and found to comply with 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:
•Reorient or relocate the receiving antenna.
•Increase the separation between the equipment and receiver.
•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
•Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

EU Declaration Of Conformity

We, Shenzhen GMK Technology Co. Ltd,
Address: Floor 9, No.2 Building, Yingtai Kehui Plaza, No.8 Yingtai Road, Langkou Community, Dalang Street, Longhua District, Shenzhen City, Guangdong Province China 518109

declare under our sole responsibility that the product:

Model Number: K16

Complies with the following EU Directives:
Electromagnetic Compatibility Directive (2014/30/EU)
Low Voltage Directive (LVD) 2014/35/EU
Restriction of Hazardous Substances (RoHS) Directive (2011/65/EU), (2015/863/EU)
Radio Equipment Directive (RED) (2014/53/EU)

Harmonized Standards Applied:
1. Low Voltage Directive (LVD) 2014/35/EU
EN IEC 62368-1:2020 + A11:2020 (Safety-inIT/AV equipment)
EN IEC 62311:2020 (EMF exposure limits)
2. Electromagnetic Compatibility (EMC) Directive 2014/30/EU
EN 55032:2015/A11:2020 (Emissions)
EN 55035:2017/A11:2020 (Immunity)
EN IEC 61000-3-2:2019/A1:2021 (Harmonics)
EN 61000-3-3:2013/A2:2021 (Voltage fluctuations)
3. Radio Equipment Directive (RED) 2014/53/EU
EN 300 328 V2.2.2 (2019-07) (2.4 GHz band, e.g., Wi-Fi/Bluetooth)
EN 301 893 V2.1.1 (2017-05) (5 GHz band, e.g., Wi-Fi 5/6)
EN 301 489-1 V2.2.3 (2019-11) (General EMC for radio equipment)
EN 301 489-17 V3.1.1 (2024-09) (2.4/5 GHz specific EMC)
EN 18031-1:2024
EN 18031-2:2024
4. Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU
IEC 62321 Series (Testing for restricted substances):
IEC 62321-3-1:2013 (Lead, mercury, cadmium screening)
IEC 62321-4:2013 (Cr⁶⁺ and PBB/PBDE)
IEC 62321-4-2013 + AMD1:2017 CSV (Hg in polymers/electronics)
IEC 62321-5:2015 (Phthalates in plastics)
IEC 62321-7-1:2015 (Hexavalent chromium)
IEC 62321-7-2:2017 (BrCl in polymers)
IEC 62321-8:2017 (Phthalates in coatings)

This product is marked with the CE symbol to confirm compliance with EU regulations.
The aforementioned product meets all essential requirements of the applicable EU directives. The full technical documentation, including test reports and risk assessments, is retained and available for inspection by relevant authorities for 10 years after market placement.

Signed for and on behalf of: Shenzhen GMK Technology Co., Ltd.
Compliance Officer
2024-04-17 Shenzhen, China

Warranty commitment

Entitled 12-month warranty for the product quality problems caused by non-human factors.
Certificate/Inspected

After Service
Email: support@gmktec.com
Sales: gmk@gmktec.com
Company: Shenzhen GMK Technology Co., Ltd.
Address: Floor 9, No.2 Building, Yingtai Kehui Plaza, No.8 Yingtai Road, Langkou Community, Dalang Street, Longhua District, Shenzhen City, Guangdong Province China 518109

CE FC RoHS E214-260004

Warranty Card

Warranty period	Self purchase date: Year: Month: Day:	Year Valid:
customer	Name:	
	Telephone:	Zip code:
	Address:	
Dealer	Address:	
	Telephone:	Zip code:

Certificate of conformity

Examination clerk:

Date: