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GMKtec
Geek/Modern/(K)Creativity

GMKtec NUCBOX EVO-X2 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..

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.

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.

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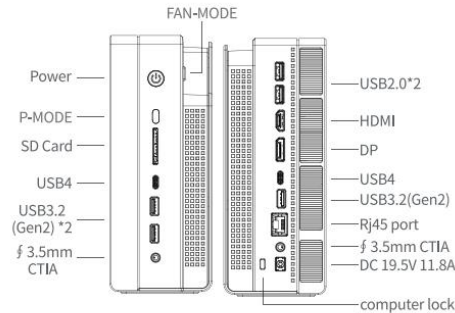
Waterproof
This device is not waterproof, please keep it dry;

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

Please familiarize yourself with the interface and buttons of the device before use.

FAN-MODE

Power — USB2.0*2
P-MODE — HDMI
SD Card — DP
USB4 — USB4
USB3.2 (Gen2) *2 — USB3.2(Gen2)
— Rj45 port
ƒ 3.5mm CTIA — ƒ 3.5mm CTIA
— DC 19.5V 11.8A
— computer lock

Note:
1. FAN-MODE: Adjustable system fan color light effect, short press this key to switch 13 modes,long press to turn off the light, short press to turn on the light.
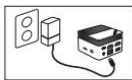2. P-MODE: CPU power mode switch key, short press this key to switch silent mode/balanced mode/performance mode.

Technical specifications

CPU		AMD Ryzen™ AI MAX+ 395 chip processor, 16 cores and 32 threads, 4nm process technology, 64M L3 cache,maximum frequency up to 5.1G
GPU		Radeon 8060S Graphics (40 cores, graphics card frequency up to 2.9GHz)
RAM		LPDDR5X 8000MHZ (on-board), 64G/128G (Product capacity is subject to actual purchase)
Storage		M.2 2280 NVMe (PCIe4.0) 512GB/1TB/2TB/4TB (Product capacity is subject to actual purchase)
Network	Ethernet	Giga LAN(RJ45)*1 2500M/1000M/100M/10M
	WiFi	802.11 a/b/g/n/ac/ax/be
	BT	BT5.4
Charger		DC 19.5V 11.8A
Packing list		1*Mini PC + 1*User Manual/Warranty Card + 1*DC Power Supply +1*AC 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 up, please turn off WiFi and LAN and select "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

2. There are three modes to choose from
Silent mode: The computer achieves the best system performance at normal acoustic levels.
Balanced mode (default setting): The computer works at the best experience, balanced noise and better performance.
Performance mode: All fans in the computer will run at full speed, there will be a certain amount of fan noise, providing a better, higher performance work and entertainment experience.

How to modify the power-on mode

1. Enter the BIOS setup page, select the Advanced page on the main interface, use the keyboard arrow keys ↑ ↓ to select --- Auto Power On, press the Enter key to select on or off, press F10 to save the changes after setting, and then press Enter to confirm

FCC Compliance Statement

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,and (2) this device must accept any interference received, including interference that may cause undesired operation.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 instructions, may cause harmful interference to

How to enter the BIOS setup page

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

How to modify the boot item

1. Insert the storage device to be started on the host, such as a USB flash drive or solid-state drive.

2. Temporary modification: In the shutdown state, press the power button, and after the button light is on, continuously click the F7 key on the keyboard until the device boot item selection interface appears on the screen. Select the storage device to start as needed, and then press the Enter key on the keyboard to confirm.

3. Permanent modification: Enter the BIOS setup page, use the keyboard arrow keys ←→ to switch to the BOOT interface, and then use the keyboard arrow keys ↑↓ to select the first boot item-—Boot Option #1, press the Enter key to enter the device selection interface, select the storage device to start as needed, press F10 to save the changes after setting, and then press the Enter key on the keyboard to confirm.

How to modify the power consumption mode of the CPU

1. Enter the BIOS setup page, select the Main page on the main interface, use the keyboard arrow keys ↑↓ to select -—PowerLimit Setting, and press Enter to select the desired power consumption mode.

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.

EU DECLARATION OF CONFORMITY

We, Shenzhen GMK Technology Co. Ltd,
Address: 4/F, #9 Bldg, HuaLian Industrial Park, XinShi Community, Dalang Street, Longhua District, 518109, Shenzhen, China, declare under our sole responsibility that the product:

Product Name: EVO-X2
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 of IT/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 V3.3.1 (2024-09) (2.4/5 GHz specific EMC)

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 62321-5:2013 (Cr^{6+}and PBB/PBDE)
IEC 62321-4:2013 + AMD1:2017 CSV (Hg in polymers/electronics)
IEC 62321-6:2015 (Phthalates in plastics)
IEC 62321-7-1:2015 (Hexavalent chromium)
IEC 62321-7-2:2017 (Br/Cl in polymers)
IEC 62321-8:2017 (Phthalates in coatings)

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: 5/F, #9 Bldg, Yifenghua Industrial Park, Huaning Rd, Longhua Dist, 518109, Shenzhen, China

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:
Julian Chu
Compliance Officer
2023-04-17
Shenzhen, China

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, and
(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.