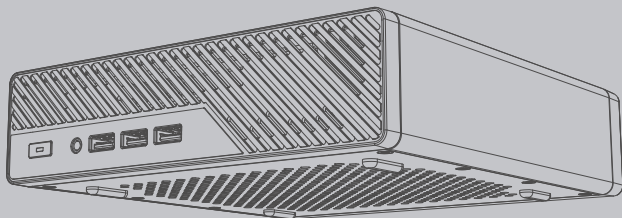




New Gen Mini Workstation Series

Copyright © 2022 Micro Computer (HK) Tech Limited.



Disclaimer And Safety Instructions /

English (1)

免责声明与安全须知 /

中文 (10)

Haftungsausschluss Und Sicherheit-
shinweise /

Deutsch (19)

免責事項と安全上の注意事項 /

日本語 (28)

Descargo De Responsabilidad E
Instrucciones De Seguridad /

español (37)

Dichiarazioni E Istruzioni Di
Sicurezza /

Italiano (46)

Avis De Non-responsabilité Et
Instructions De Sécurité /

Français (55)

User Manual /

English (2)

用户手册 /

中文 (11)

Bedienungsanleitung /

Deutsch (20)

取扱説明書 /

日本語 (29)

Manual De Usuario /

español (38)

Manuale D'uso /





Italiano (47)

Manuel Utilisateur /

Français (56)

• Disclaimer

1. Thank you for purchasing MS-01 product.
2. The contents mentioned in this disclaimer are related to your safety, legal rights and responsibilities. Please pay attention to any warnings, cautions and attention signs on the instructions and product labels, and install according to the instructions in the instructions.
3. The product is relatively complex, and users need to have basic hands-on installation skills and safety knowledge. You should be careful during installation.
4. Before using this product, please read the instructions carefully to ensure that the product can be set up correctly. Failure to follow the instructions, warnings, cautions, and attention signs may damage the product or data, and may result in personal or property injury or loss.
5. Once you use this product, you are deemed to have carefully read the content requirements of the disclaimer, warning, caution, and attention signs, understood and accepted all the contents. You promise to take full responsibility for the consequences of using this product. You promise to use this product only for legitimate purposes and agree to this statement and any policies and guidelines formulated by MINISFORUM.
6. In addition to the warranty terms, MINISFORUM is not legally responsible for damage or injury caused directly or indirectly by using this product, especially those caused by failure to operate in accordance with safety guidelines. Users should follow the instructions mentioned in this statement and all safety guidelines.
7. The final interpretation right of this statement belongs to MINISFORUM.

-  Warning: When an M.2 hard drive is inserted into the PCIe4.0x4 M.2 slot, please make sure "the M.2 NVME drive support switch" is in the "ON M.2" position, otherwise your M.2 hard drive may be damaged.
-  Warning: All M.2 solid-state drive slots only support SSDs with the NVME protocol and do not support SATA protocol. If you insert an SSD with the SATA protocol incorrectly, your SSD may be damaged.
-  Caution: When removing the PCIe expansion card, please make sure that your fingers are not between the PCIe expansion card and the casing, otherwise your fingers may be pinched.
-  Attention: When you insert a high-power PCIe expansion card such as a graphics card, please purchase and use a 19V-240W power adapter separately. Otherwise, abnormal shutdown may occur.

• Safety Precautions

1. Dust, moisture and drastic temperature changes will affect the product life, so please try to avoid placing the product in these places.
2. The suitable temperature for the MINI PC and accessories is 0°C ~ 35°C.
3. Before you using this product, make sure you leave enough space around the device for ventilation. Please don't block or cover these openings. Never insert objects of any kind into the ventilation openings.
4. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
5. When you use the power extension cords, the total current of all connected products should be within the rated current of cables, ensuring stable operation.

• Maintenance Guideline

1. Do not step on the power cord or put anything on your Mini PC.
2. Do not spill water or any other liquid over this product.
3. There's still some current passing through even when the system is off. To avoid severe damage caused by possible electric shock, plug out all power cables from sockets temporarily before cleaning or moving this product.
4. If you encounter the technical problems with the product unplug the power cord and contact a qualified service technician or your retailer.

• FAQ

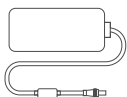
1. The start-up speed may be slow in the following situations: unexpected restart, BIOS reset, memory bank replacement, and SSD replacement. Generally speaking, the start-up speed will return to normal after one successful power-on and power-off process.
2. The core graphics card will occupy a part of the memory as GPU-specific memory.

Note: --- This message contains additional instructions for this item.

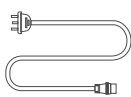
Important! --- This information contains instructions that must be followed.

Warning! --- This message contains information about user safety and product safety.

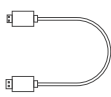
Package Contents



Ac Power Adapter */



Power Cord */



HDMI Cable /



SSD Heatsink */



Customized U.2 to M.2 */



U.2 Mounting Screw Set */

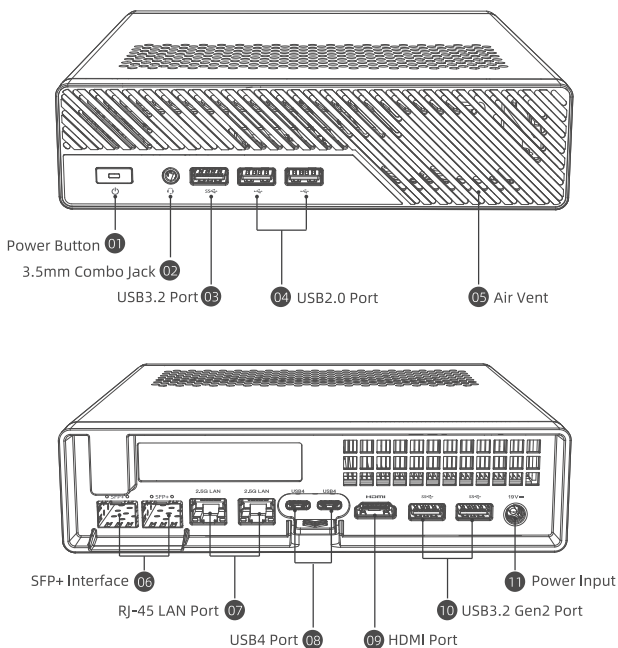


User Manual /

NOTE:

* The power adapter and other accessories included in the box will vary depending on the model parameter or area purchased.

Getting To Know Your Mini PC



Interface

01 Power Button

The power button allows you to turn the Mini PC on /off. You can press the power button to put your Mini PC to sleep mode or press it for 10 seconds to force shutdown your Mini PC.

02 3.5mm Combo Jack

This connector is used to connect audio output signals to a power amplifier or headphones. You can also use it to connect an external microphone or output signals from audio equipment.

03 USB3.2 Port

USB3.2 (Universal Serial Bus) port provides a transfer rate of up to 5 Gbit/s. It can be connected to keyboards, pointing devices, cameras, hard disks, printers and scanners.

04 USB2.0 Port

The USB (Universal Serial Bus) port is compatible with USB2.0 or USB1.1 devices such as keyboards, and printers.

05 Air Vent

The air vents allow your Mini PC chassis to expel hot air out.

Important! For optimum heat dissipation and air ventilation, ensure that the air vents are free from obstructions (such as Paper, books, clothes, transmission lines).

06 SFP+ Interface

SFP+ network interface supports standard SFP+ DAC cable, fiber optic module, or RJ45-SFP+ conversion module. Supports 10Gbps/1Gbps rate.

07 RJ-45 LAN Port

This RJ-45 network interface supports standard Ethernet cables and can be connected to a local area network. (Transmission speed 2.5Gbps)

08 USB4 Port

This interface supports USB4 transmission protocol, with a maximum data transmission rate of 40Gbps. Support Alt DP audio and video output, support 5V/3A charging for peripherals power, maximum charging power 15W, support PCIe data transmission, and support Thunderbolt Ethernet.

09 HDMI Port

The HDMI port (High-Definition Multimedia interface) is a uncompressed, fully digital audio/video interface that provides a common data connection channel for compatible devices, which can be used to connect external display devices and televisions.

10 USB3.2 Gen2 Port

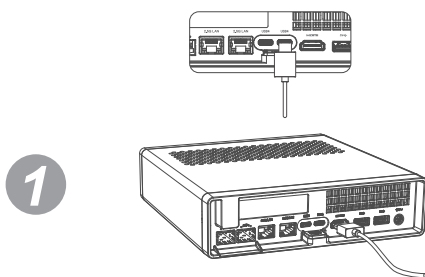
USB3.2 Gen2 (Universal Serial Bus) port provides a transfer rate of up to 10 Gbit/s. It can be connected to keyboards, pointing devices, cameras, hard disks, printers and scanners.

11 Power Input

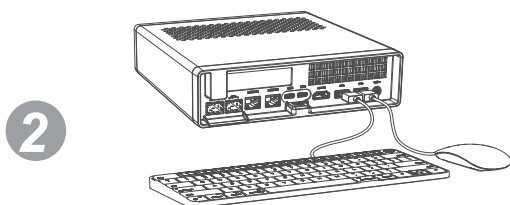
The power adapter can convert AC power to DC power. The converted power provides power to your Mini PC through the power input interface. To avoid damaging your Mini PC, please use the power adapter provided with the product.

Warning! When the power supply is in use, the temperature of the power adapter may rise and become hot. Do not place the power adapter close to your body.

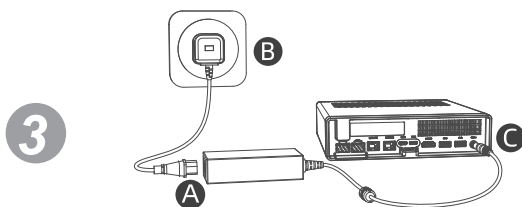
Power adapter: DC 19V



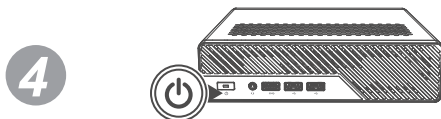
Connect the display to the Mini PC's HDMI port/USB4 port.



Connect the keyboard and mouse.



Connect the provided power adapter to your Mini PC.



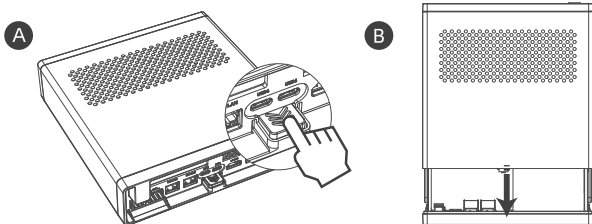
Turn on the power and start the Mini PC.

If the Mini PC is frozen or slow to respond, press and hold the power button at least for 10 seconds to force it shutdown.

To put your Mini PC on Sleep mode, press the Power button once.

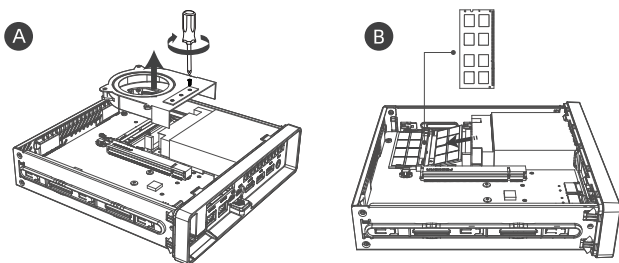
Installation Guide

- 1 While pressing the button, pull out the motherboard case.



DIY SSD

- 2 First remove the radiator, and then insert the memory into the memory slot as shown.

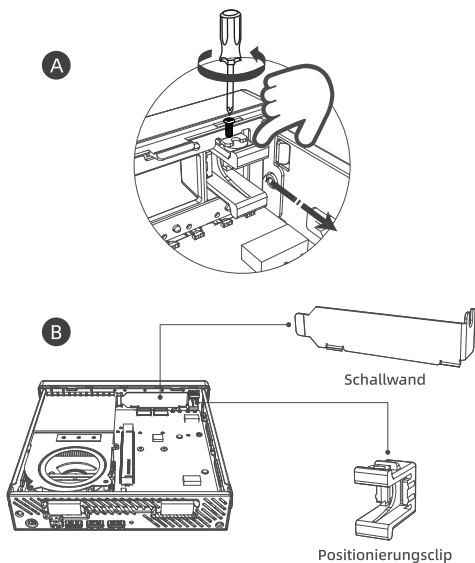


DIY PCIE Expansion Card



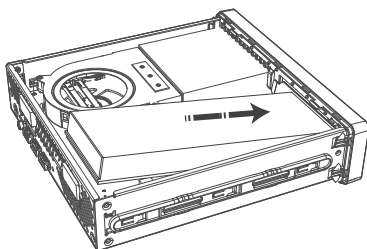
PCIE Expansion Card reminder: When using an M.2 hard drive, the switch must be in the M.2 ON position, otherwise the hard drive may be damaged.

- 3 First use a tool to unscrew the positioning clamp screw, press the positioning clamp to take it out, and remove the baffle.

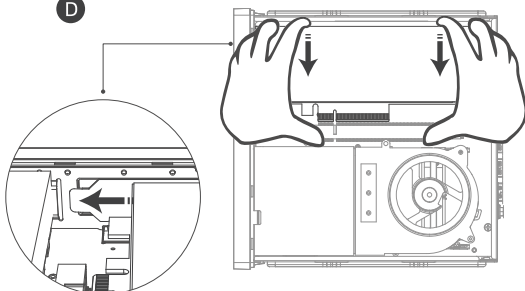


- 4 Insert the expansion card into the motherboard slot in an oblique direction, and insert the expansion card parallel into the PCIe slot with both hands.
Note: Only half-height single-slot PCIe expansion cards are supported.

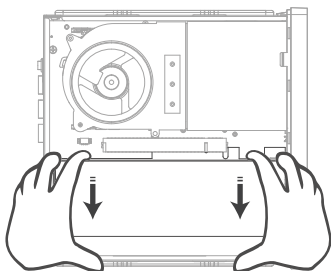
C



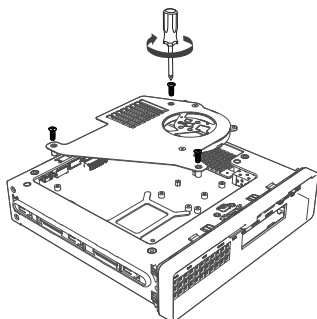
D



Warn! The correct way to disassemble the expansion card is as shown in the figure, and be careful not to pinch your hands.

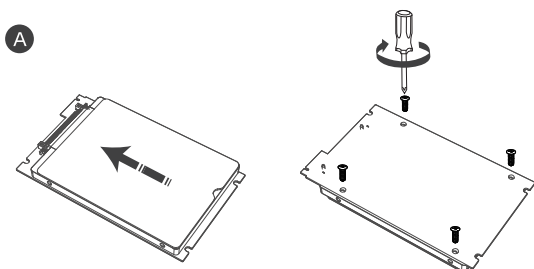


- 5 Turn it over and use tools to remove the heat dissipation bracket.

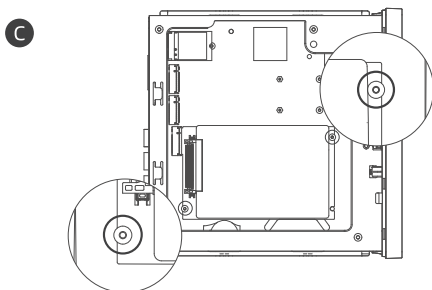
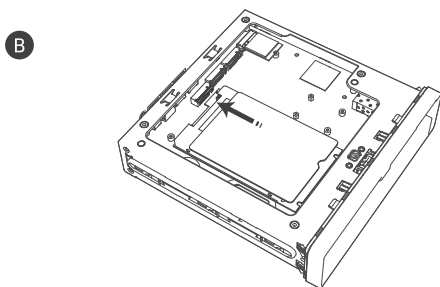


DIY Customized U.2 To M.2

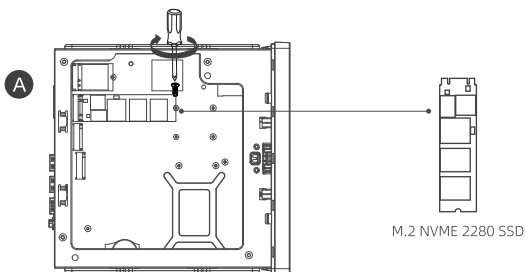
- 6 Assemble the U.2 hard drive to the U.2 to custom M.2 adapter card and lock the screws.



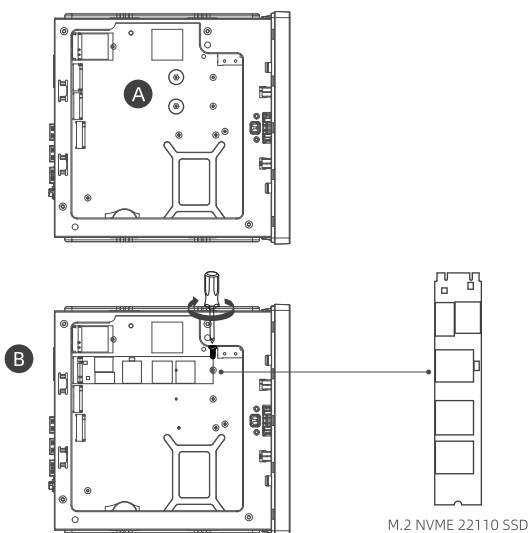
- 7 Insert the U.2-to-private-M.2 adapter card into the M.2 slot and align it with the positioning post.



- 8 Insert the SSD card into the card slot at an angle and secure it with screws.

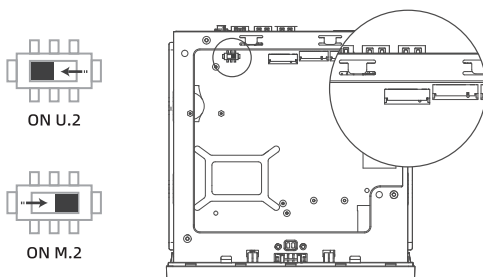


- 9 **Note:** To installation 22110 SSD, you need to use a tool to unscrew the hexagonal screw post first.

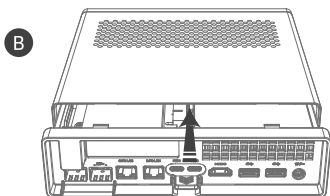
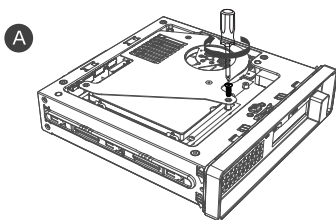


Warn!

- 1: When using a U.2 hard drive in this slot, you need to turn on the ON U.2 switch;
 2: When using an M.2 hard drive in this slot, make sure the switch is in the ON M.2 position. If the switch is not ON M.2, the M.2 hard drive may be damaged.



- 10 Re-tighten the screws of the heat dissipation bracket and install the motherboard case into the chassis.





Contact information

Manufacturer: Micro Computer (HK) Tech Limited

Website: <https://www.miniscloud.com>

Address: FLAT/RM 18, 28/F, Shui On Centre, 6-8 Harbour Road,
Waterfront Wan Chai , Hong Kong

TEL: 852-23860910

Online Technical Support

Website: <https://www.minisforum.com/support>

Email : support@minisforum.com

