



深圳市攻氩科技有限公司
深圳市南山区桃源街道平山社区
留仙大道 4109 号创客小镇 22 栋 215
AYANEO.COM.CN
INFO@AYANEO.COM

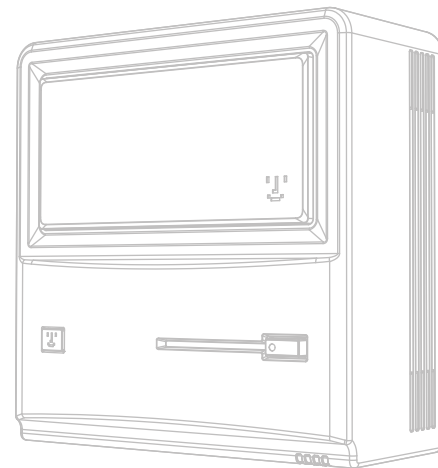
Shenzhen Konkrr Technology Co., Ltd
Room 215, Building 22, Maker Town, No.4109, Liuxian Avenue,
Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen, China
AYANEO.COM
INFO@AYANEO.COM

AYANEO

Retro Mini Pc

User Manual

AM01



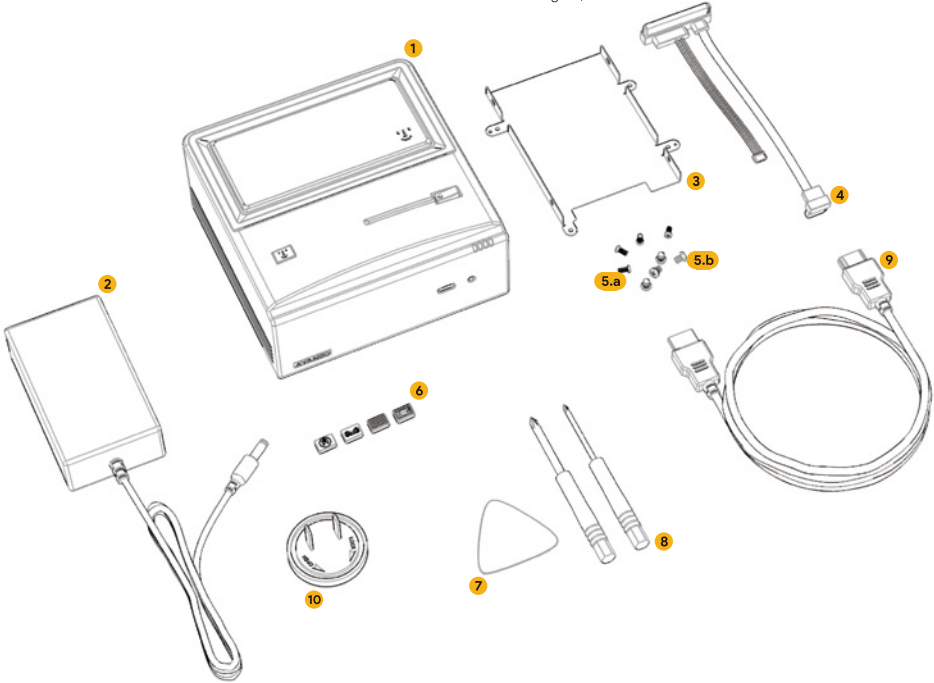
Content

1	Front View
1	Rear View
2	Top View
2	Back View
3	Left and Right View
3	Use your AYANEO Mini PC
4	Connect the screen
4	Connect the screen via the HDMI interface
4	Connect the screen via the DisplayPort port
5	Connect USB Keyboard and Mouse
5	Start your AYANEO Mini PC
6	Update your AYANEO Mini PC
7	Disassembling the bottom cover
8	Reassembling the bottom cover
9	Removing the AYANEO Mini PC motherboard
11	Reinstall the AYANEO Mini PC motherboard
13	Install SSD or 2.5-inch storage hard drive
13	Upgrade or Install M.2 SSD
13	Removing M.2 SSD
14	Installing or upgrading the 2.5-inch storage hard drive
16	Upgrading or Installing Memory
16	Removing Memory
17	Upgrading or Installing a Wireless Network Card
17	Taking Out the Network Card
18	Power On / Off
18	Sleep / Wake
18	Entering BIOS Settings
19	Notes
19	Power Supply
19	Medical device interference
19	Support

Your AYANEO Mini PC package should include the following items:

Note: The illustrations provided are for reference, and some accessories may vary depending on the purchase model and the country or region.

- 1. AYANEO Mini PC
- 2. Power adapter
- 3. 2.5-inch hard drive bracket
- 4. 2.5-inch hard SATA cable
- 5. 2.5-inch hard drive mounting screws
 - a. M2 * 5.0 specification screws, 4 pieces
 - b. M3 * 4.0 specification screws, 4 pieces
- 6. Colorful magnetic decorative pieces, 4 pieces
- 7. Disassembly prying tool (for upgrades and disassembly)
- 8. Screwdriver (for upgrades and disassembly), 2 pieces
- 9. HDMI high-definition cable
- 10. AC Power adapter (Depending on the purchase model and the country or region.)

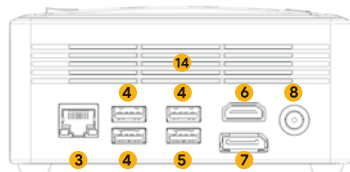
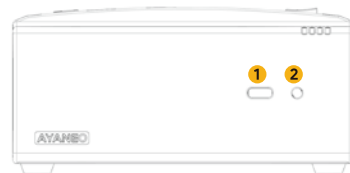


1 USB 3.2 Gen 1 Type-C Port

This port supports data transfer only, offering speeds of up to 5Gbps. You can connect USB flash drives, external storage devices, or other Type-C USB devices.

2 3.5mm Headphone/Audio Jack

Outputs audio signals for connecting headphones or speakers and is also compatible with an external microphone.



3 RJ45 Network Interface

Standard Ethernet interface supporting 10/100/1000Mbps.

4 USB 3.2 Gen 2 Ports

3 * USB 3.2 Gen 2 Type-A ports with speeds of up to 10Gbps.

5 USB 2.0 Port

USB 2.0 Type-A port with a transfer rate of 480Mbps.

6 HDMI 2.0 Port

High-definition video output interface for connecting your AYANEO Mini PC to a high-definition display, supporting up to 4K (3840×2160@60Hz).
Note: 1 * HDMI high-definition cable is included in the package.

7 DP 1.4 (DisplayPort) Port

High-definition digital video output interface supporting 4K (3840×2160@60Hz).

8 DC Power Input Port

The adapter provides DC power to the AYANEO Mini PC through the DC power input port. Please use the included power adapter.
Note: The power adapter may vary depending on the model and region:

72W Power Adapter: DC 12V - 6A 72W

84W Power Adapter: DC 12V - 7A 84W

14 Passive Cooling Vents

The AYANEO Mini PC dissipates internal heat through the cooling vents during operation by circulating air outside the chassis.

Note: Do not block the cooling vents during operation, as this may lead to overheating.

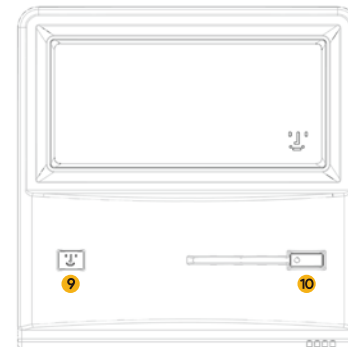
9 Decorative Components

- Magnetic and replaceable decorative components
- Note: Additional styles of replaceable decorative components are included in the package, allowing for customization.

Caution: The removable decorative components are small in size. Please keep the AYANEO Mini PC out of the reach of infants to prevent the risk of unintended ingestion.

10 Power Button/Power Indicator Light

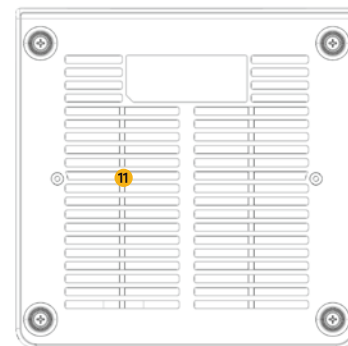
- Press the top power button to turn on the AYANEO Mini PC. When it's functioning normally, the indicator light will be white.
- When the AYANEO Mini PC is operating normally, pressing the power button will put it into sleep mode. During sleep, the cooling fan stops spinning, and the power indicator light is off.
- A long press of about 8 seconds can forcibly shut down the AYANEO Mini PC. It is not recommended to perform a forced shutdown in normal usage scenarios as it may lead to irreversible risks such as data loss.



11 Active Air Intake Vents

- While the AYANEO Mini PC is in operation, the cooling fan draws in cold air through the intake vents. The airflow carries away the heat generated by the processor as it passes through the finned heatsink module and expels it into the external environment.

Note: Different fan operation strategies may produce varying levels of noise. During operation, make sure not to block the vents to avoid impacting the overall cooling efficiency of the device.



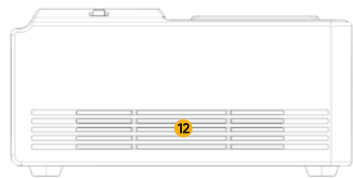
12 Active Air Exhaust Vents

- The cooling fan exhausts the heat generated by the AYANEO Mini PC's processor through the exhaust vents into the external environment.

13 Passive Cooling Vents

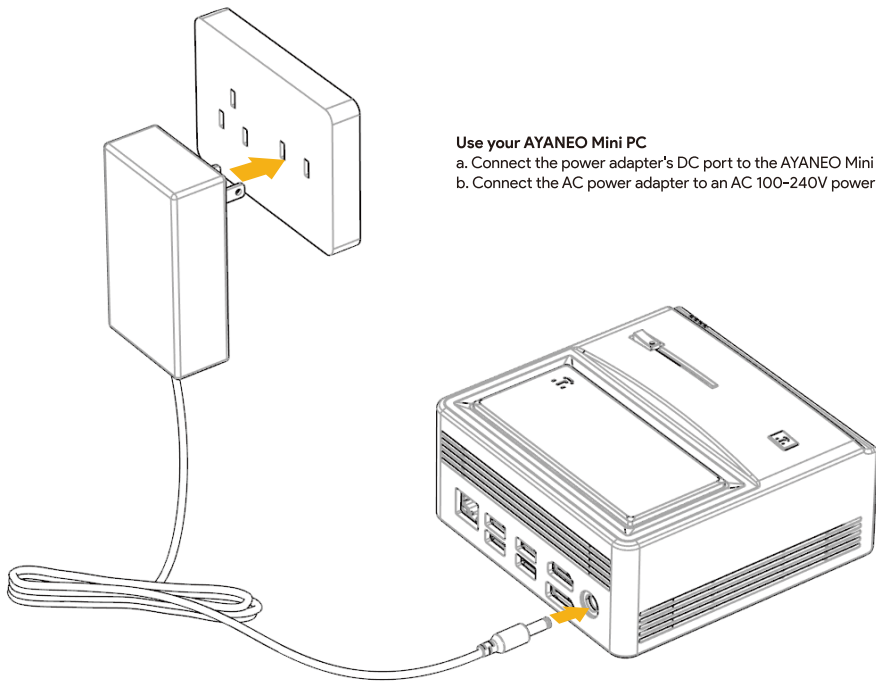
- The AYANEO Mini PC dissipates internal heat through the cooling vents during operation by circulating air outside the chassis.

Note: Do not block the cooling vents during operation to prevent any negative impact on the device's cooling efficiency.



Use your AYANEO Mini PC

- a. Connect the power adapter's DC port to the AYANEO Mini PC.
- b. Connect the AC power adapter to an AC 100-240V power outlet.



Connect the screen

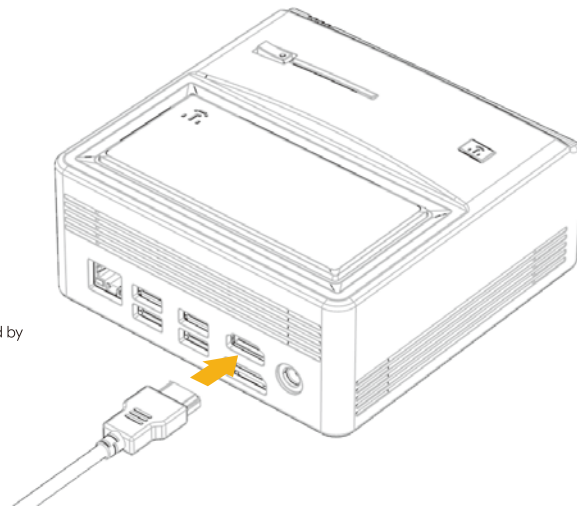
The AYANEO Mini PC has the following interfaces for connecting a screen or projector.

1 * HDMI 2.0 4K@60Hz

1 * DP 1.4 (DisplayPort) 4K@60Hz

Note: When HDMI and DisplayPort are connected simultaneously, a maximum of 2 displays can be used at the same time.

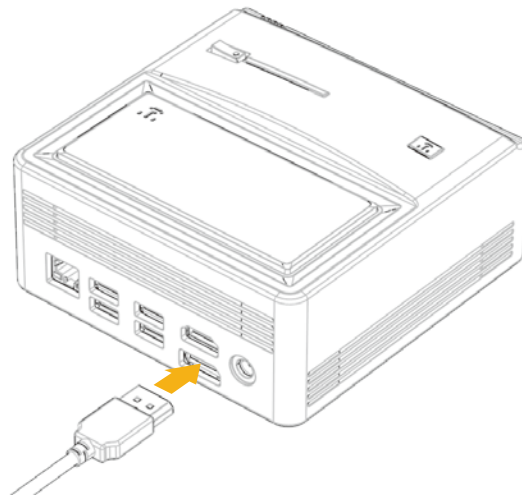
*The maximum resolution depends on the available resolutions offered by different displays and may be affected by cables or software.



Connect the screen via the HDMI interface

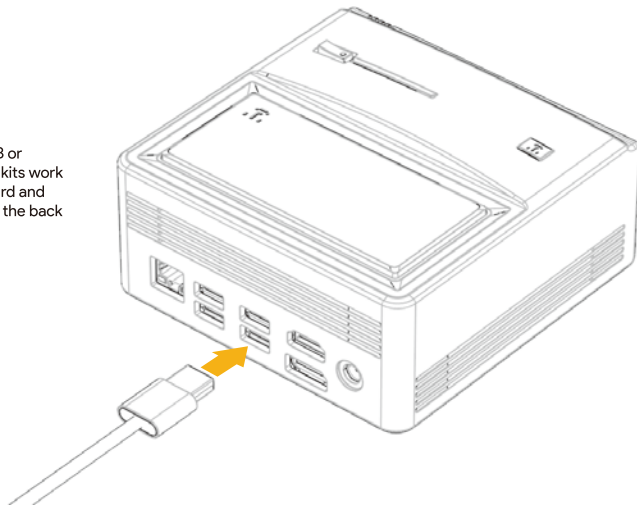
* 1*HDMI high-definition cable is included in the package.

Connect the screen via the DisplayPort port



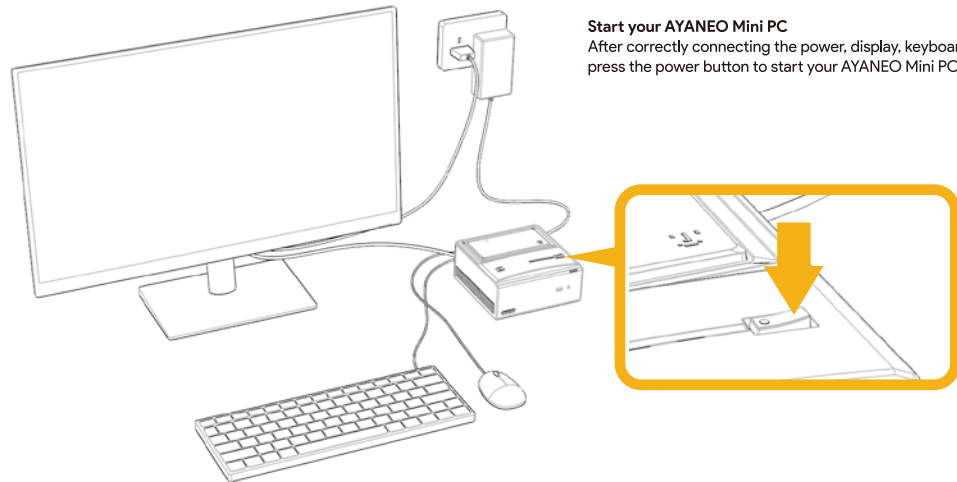
Connect USB Keyboard and Mouse

Before using the AYANEO Mini PC, you need to prepare a USB or wireless keyboard and mouse. Wireless keyboard and mouse kits work through Bluetooth connections or USB receivers. USB keyboard and mouse kits can be directly connected to the Type-A ports on the back of the AYANEO Mini PC via cables.



Start your AYANEO Mini PC

After correctly connecting the power, display, keyboard, and mouse, press the power button to start your AYANEO Mini PC.



Update your AYANEO Mini PC

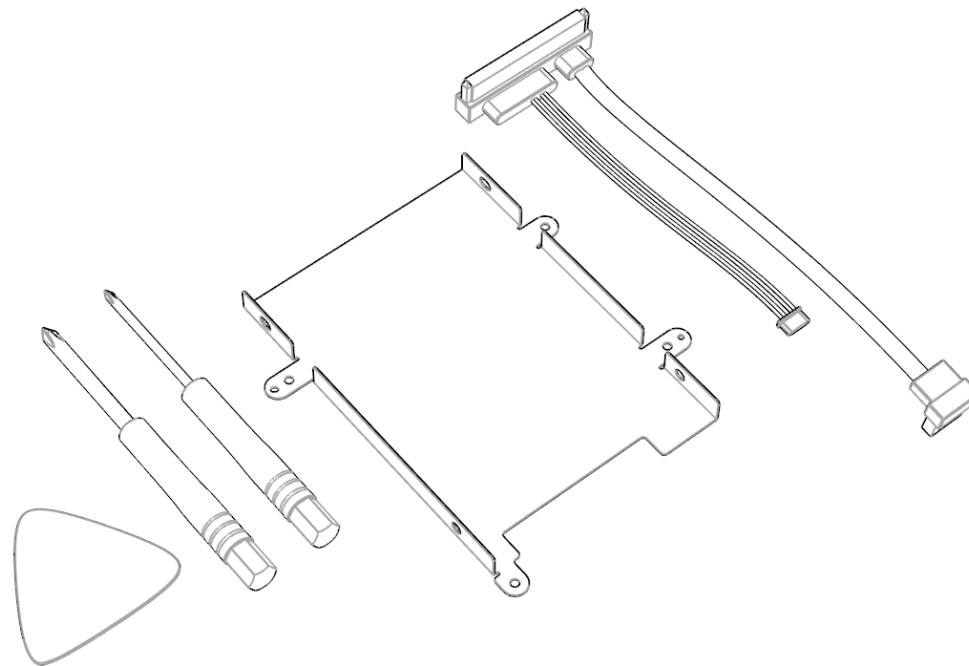
AYANEO Mini PC supports upgrading the memory, SSD, and wireless network card.

If you purchase a Bare System configuration, it does not include memory and SSD, so you'll need to purchase and install them separately.

Before performing any upgrades, make sure to disconnect the power to your AYANEO Mini PC and unplug all connected devices.

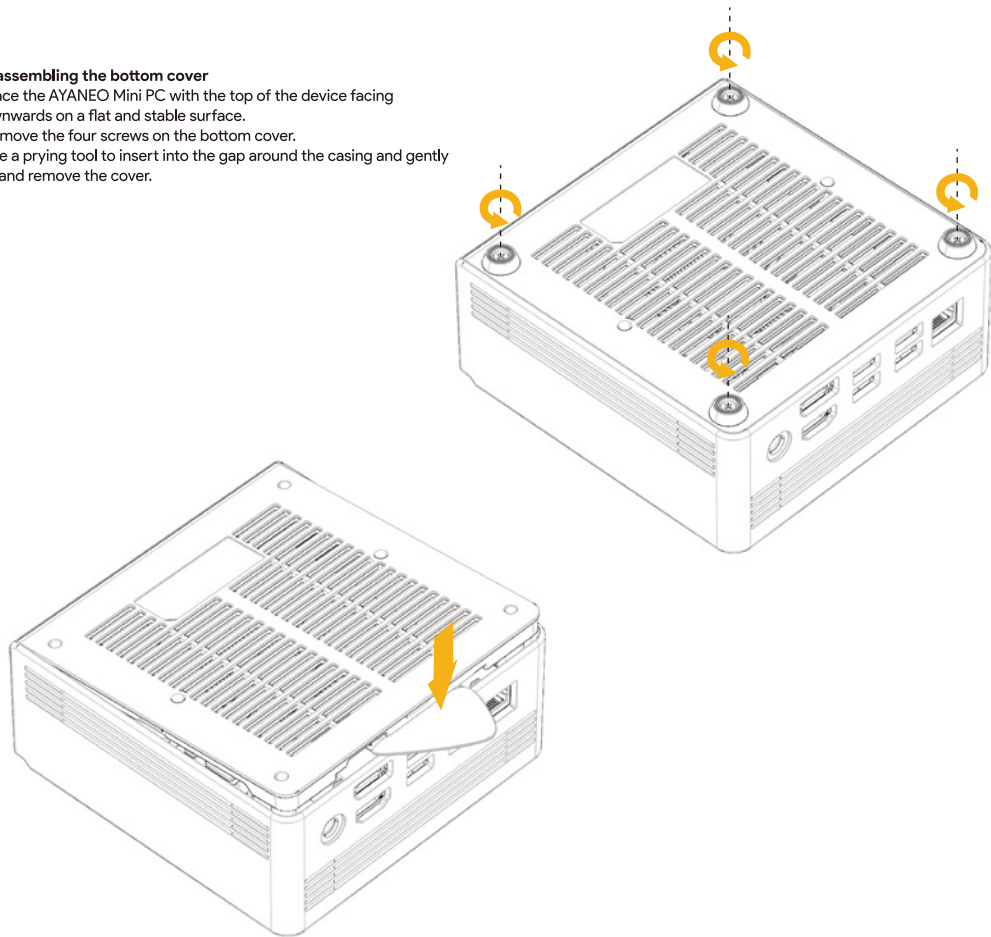
We recommend having a professional guide you through the installation or upgrades. If you encounter any issues, please contact AYANEO for further assistance and support.

Note: Please note that the following illustrations are for reference, and the interface configuration and some details may vary depending on the specific model's configuration.



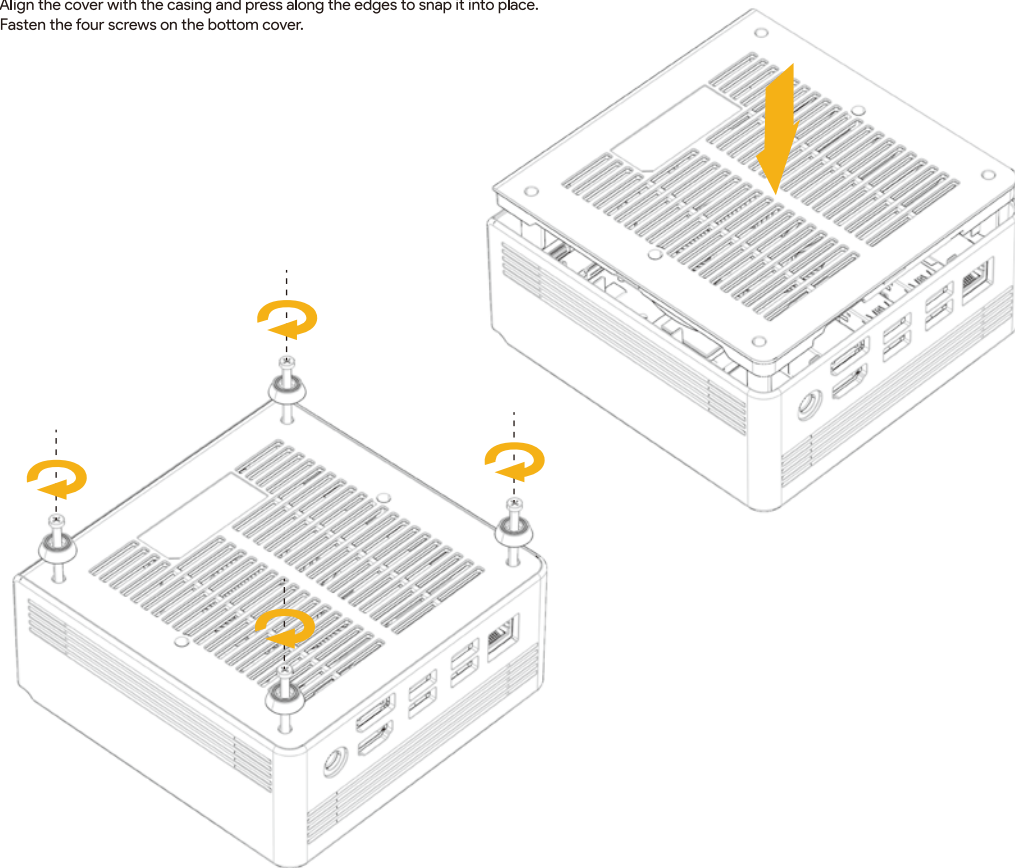
Disassembling the bottom cover

- Place the AYANEO Mini PC with the top of the device facing downwards on a flat and stable surface.
- Remove the four screws on the bottom cover.
- Use a prying tool to insert into the gap around the casing and gently pry and remove the cover.



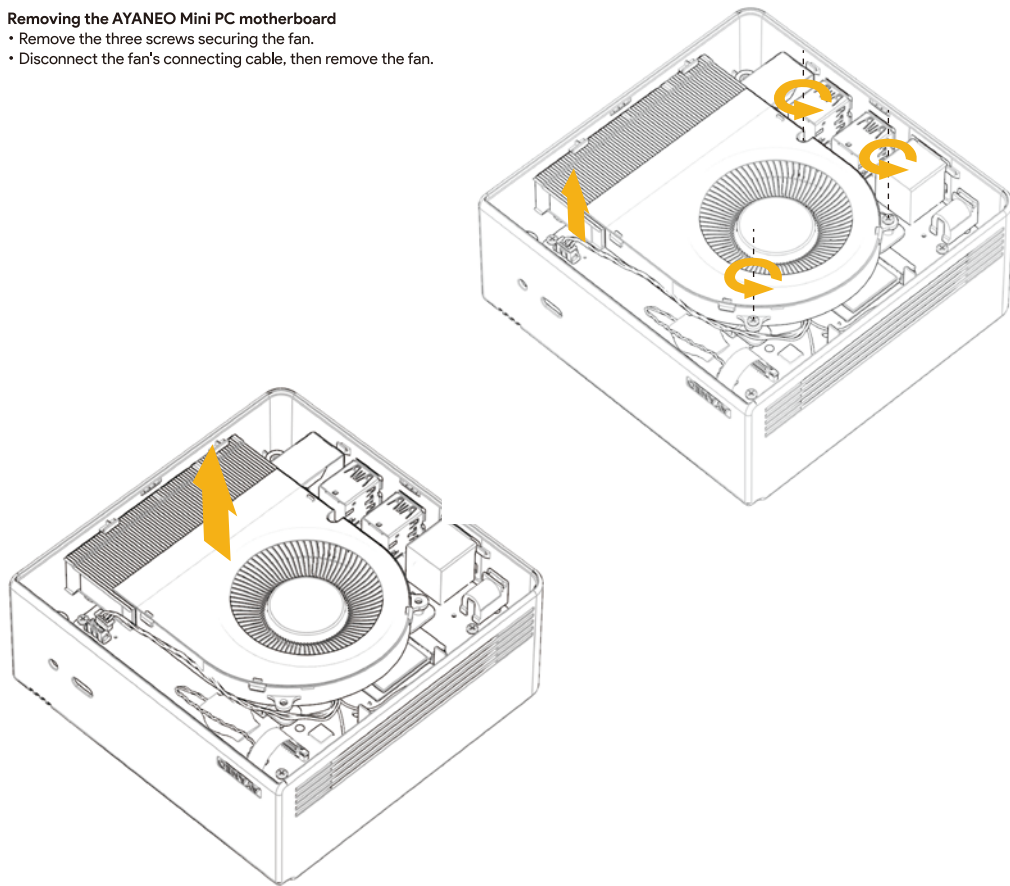
Reassembling the bottom cover

- Align the cover with the casing and press along the edges to snap it into place.
- Fasten the four screws on the bottom cover.

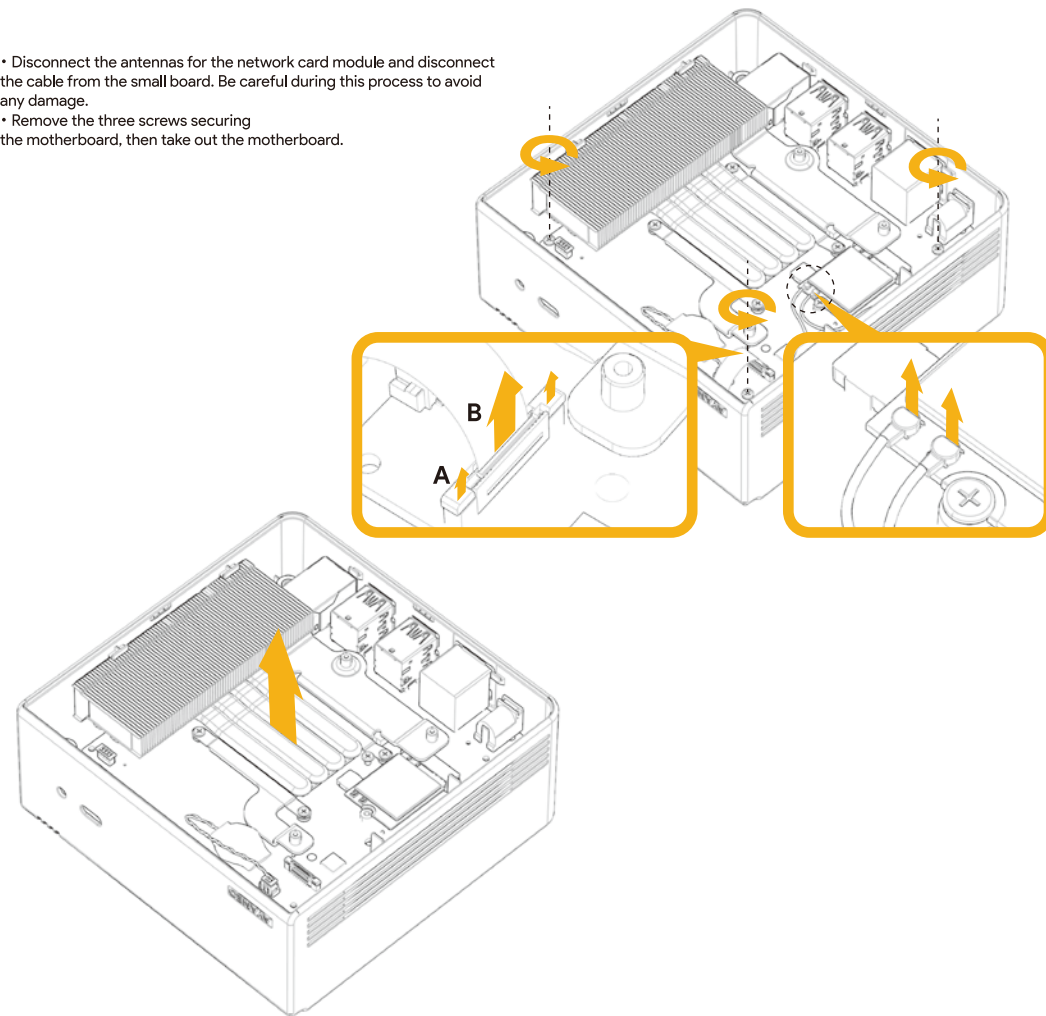


Removing the AYANEO Mini PC motherboard

- Remove the three screws securing the fan.
- Disconnect the fan's connecting cable, then remove the fan.

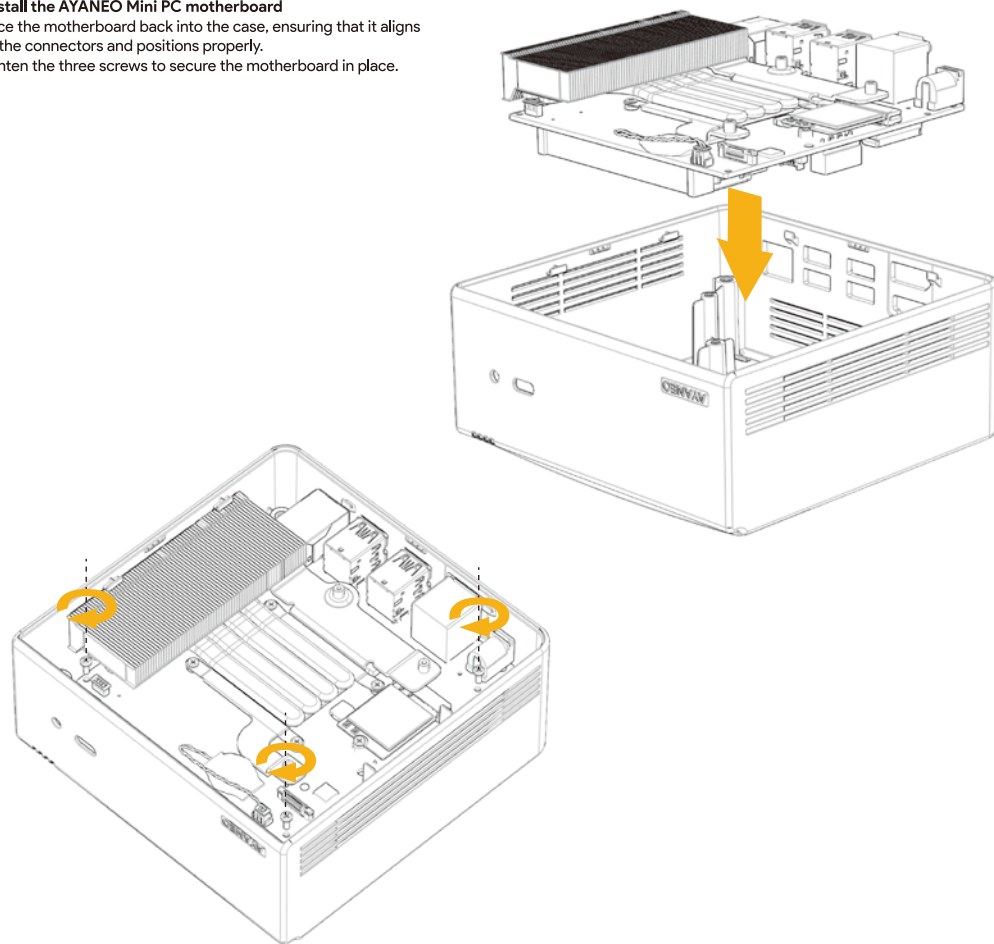


- Disconnect the antennas for the network card module and disconnect the cable from the small board. Be careful during this process to avoid any damage.
- Remove the three screws securing the motherboard, then take out the motherboard.

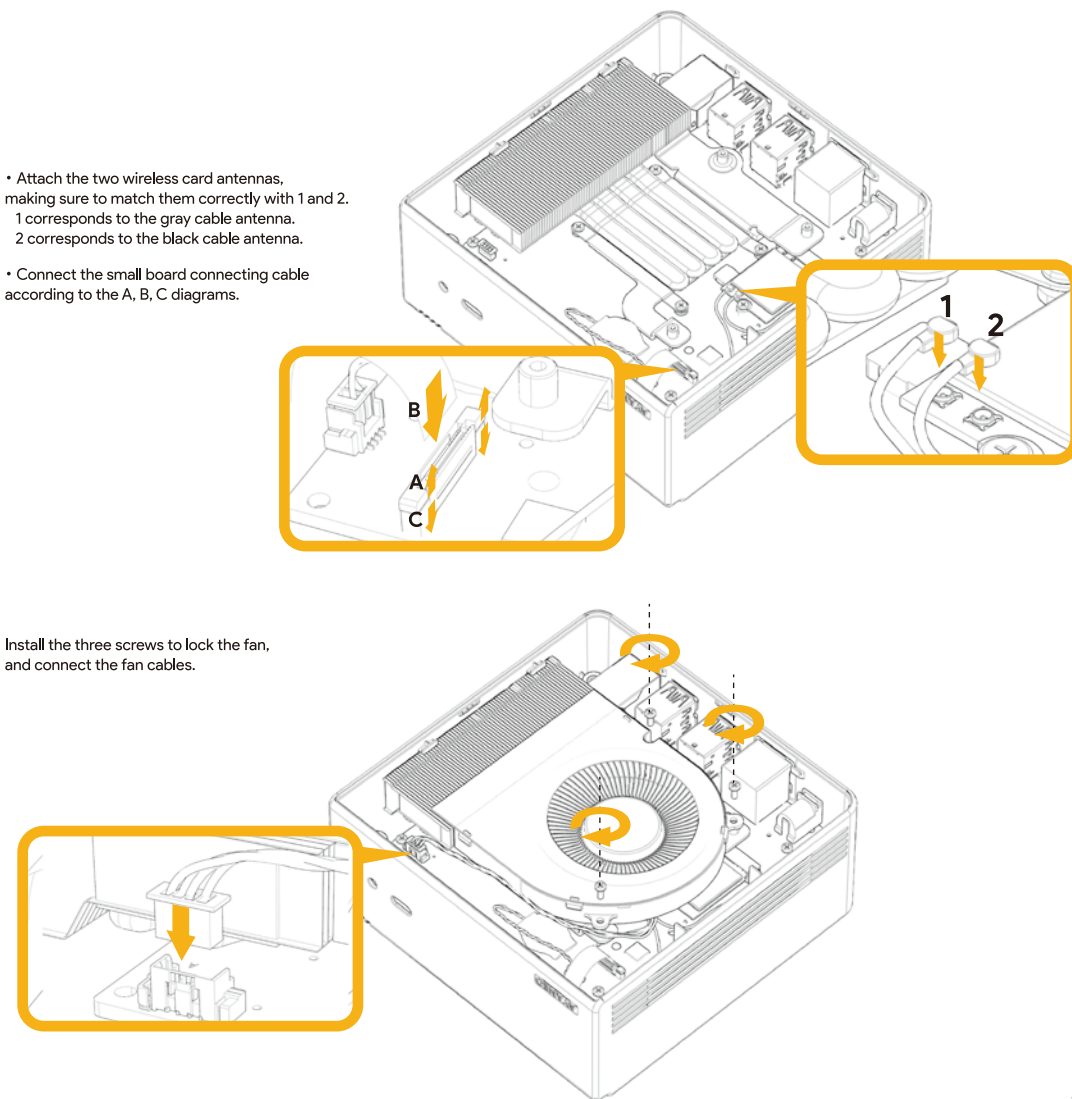


Reinstall the AYANEO Mini PC motherboard

- Place the motherboard back into the case, ensuring that it aligns with the connectors and positions properly.
- Tighten the three screws to secure the motherboard in place.



- Attach the two wireless card antennas, making sure to match them correctly with 1 and 2.
1 corresponds to the gray cable antenna.
2 corresponds to the black cable antenna.
- Connect the small board connecting cable according to the A, B, C diagrams.



- Install the three screws to lock the fan, and connect the fan cables.

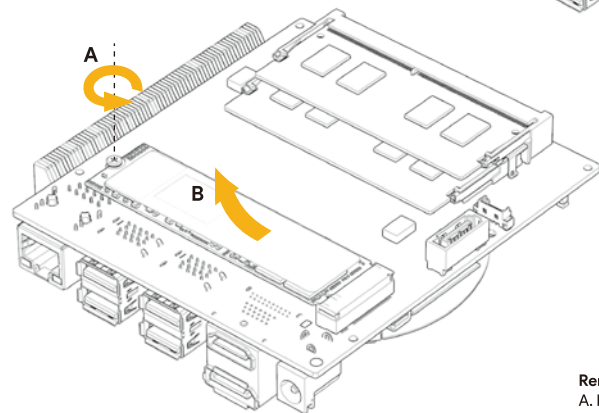
Install SSD or 2.5-inch storage hard drive

Your AYANEO Mini PC has an NVMe M.2 PCIe 3.0 slot and a SATA interface.

The M.2 slot supports the installation or upgrade of SSDs with a 2280 form factor.

The SATA interface allows you to install or upgrade a 2.5-inch SSD or HDD for storage expansion.

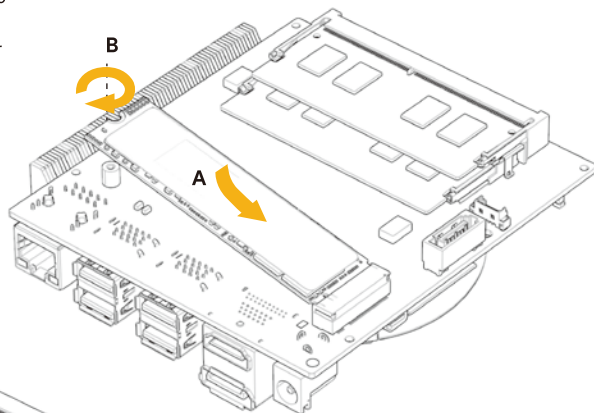
Note: You must remove the motherboard before installing or upgrading an M.2 SSD in your AYANEO Mini PC.



Upgrade or Install M.2 SSD

A. Tilt the SSD to align it with the motherboard's M.2 slot.

B. Once you've aligned the notch on the SSD with the screw on the motherboard, use a screw to lock the SSD in place. This completes the installation.



Removing M.2 SSD

A. Remove the SSD locking screw.

B. Tilt and carefully remove the SSD.

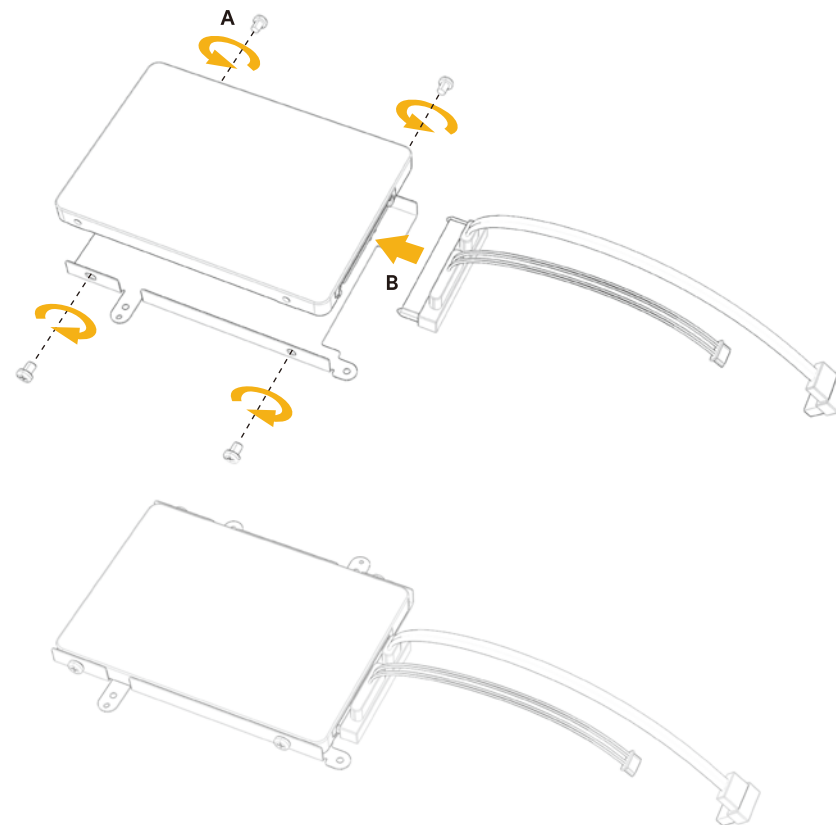
1 Installing or upgrading the 2.5-inch storage hard drive

• Note: The packaging includes cables, brackets, and screws for installing the 2.5-inch hard drive.

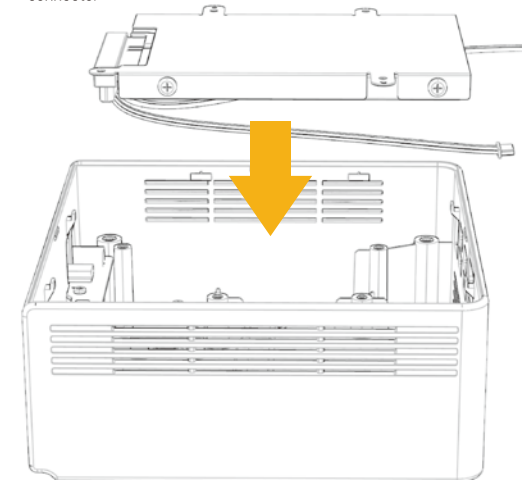
• Place the 2.5-inch hard drive into the bracket and connect the SATA cable.

A. Block the 2.5-inch hard drive in the bracket by tightening the four fixing screws on both sides.

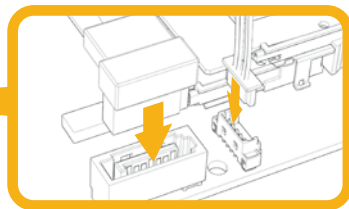
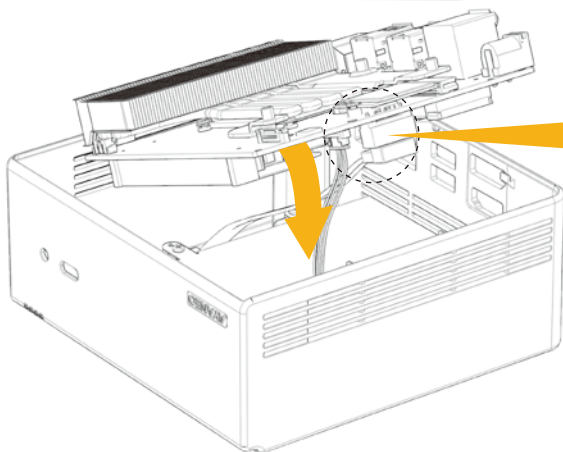
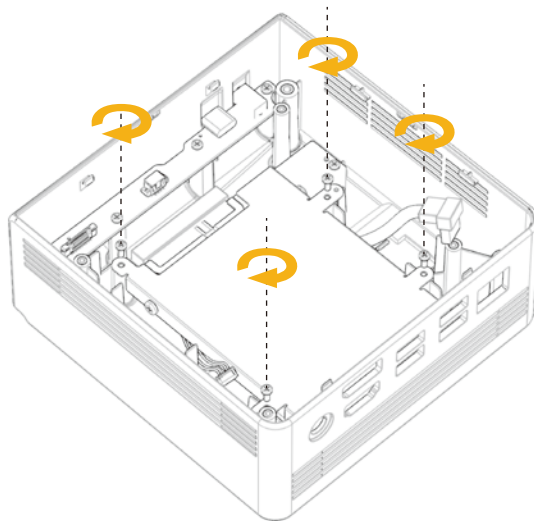
B. Connect the SATA cable.



- 2 • Install the assembled 2.5-inch hard drive with the bracket and cables into the AYANEO Mini PC.
- Pay attention to the orientation of the SATA cable's data and power connector



- 3 • Tighten the four screws to lock the 2.5-inch hard drive assembly in place.

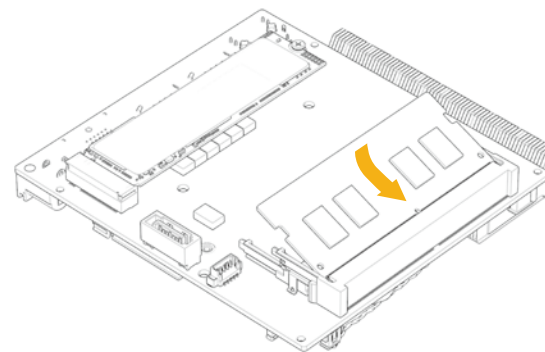


- 4 • Connect the motherboard to the 2.5-inch hard drive SATA cable's data and power connectors.
- After connecting the SATA cable, smoothly install the motherboard inside the chassis.

Upgrading or Installing Memory

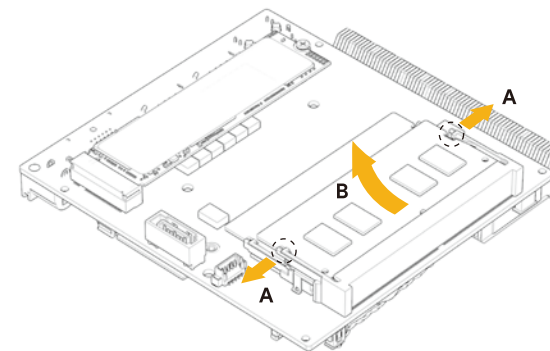
Your AYANEO Mini PC has two DDR4 SO-DIMM memory slots, supporting a single stick or two sticks of memory. It's recommended to use two sticks together as this can provide a significant performance boost in certain applications and scenarios.

- Align the memory stick with the SO-DIMM slot on the motherboard. Insert the memory stick into the slot, then press down on both ends to lock the memory stick in place.



Removing Memory

- A. Push the locking clips outward on both sides to release the memory stick from the slot. This will cause the memory stick to tilt and be free from the slot's retention force.
- B. Carefully remove the memory stick from the slot.



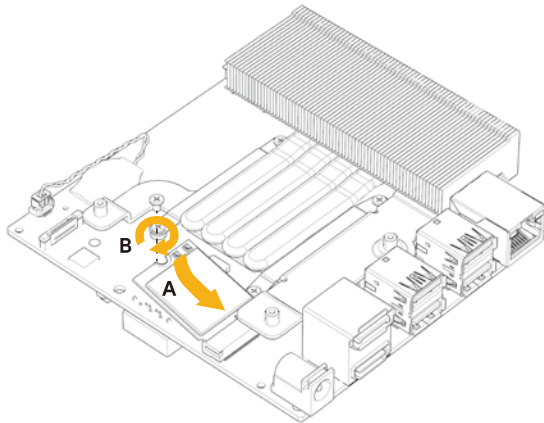
Upgrading or Installing a Wireless Network Card

Your AYANEO Mini PC supports upgrading and replacing a 2230 wireless network card. Before upgrading, make sure the selected wireless network card is compatible, and consult the network card supplier for details.

Note: Start by disconnecting the antennas, then remove the old wireless network card. Be gentle to avoid causing any damage.

A. Align the new wireless network card with the M.2 slot on the motherboard.

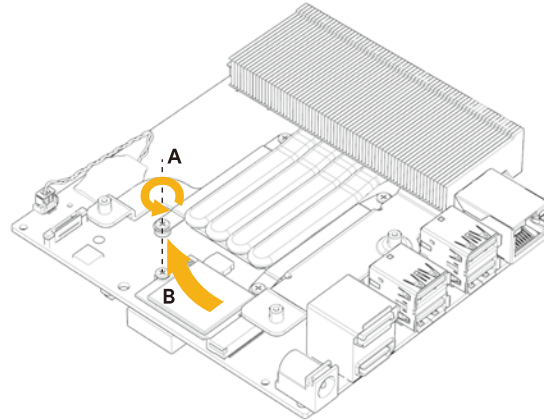
B. Align the notches of the network card with the screw holes on the motherboard, then secure it in place using screws to complete the installation.



Taking Out the Network Card

A. Remove the network card locking screw.

B. Tilt the network card to remove it.



Power On / Off

- Press the top power button to turn on your AYANEO Mini PC; the indicator light will turn white when it's operating normally.
- To shut down your AYANEO Mini PC, left-click the "Start" button with the mouse, select the "⏻" icon in the popup window, and then choose "⏻" in the menu that appears.
- If your AYANEO Mini PC becomes unresponsive, you can perform a forced shutdown by pressing and holding the power button for about 8 seconds. It's not recommended for normal use as this action may lead to irreversible data damage or other risks.

Sleep / Wake

- While in normal operation, pressing the power button on your AYANEO Mini PC will put it into sleep mode. In this state, the cooling fan stops spinning, and the power indicator light goes off.
- To wake up your AYANEO Mini PC from sleep, simply press the power button. The power indicator light will be steady, and the cooling fan will resume its normal operation.

Entering BIOS Settings

- To access the BIOS settings on your AYANEO Mini PC, repeatedly press the ESC key during startup. You can also press the F7 key to open the quick boot menu.
- It's not recommended to modify BIOS settings unless you have specific requirements. The default factory settings are optimized for normal operation.

Note: Incorrect BIOS settings can affect system stability or even lead to boot failures, so it's advisable to seek assistance from a professional if you need to adjust BIOS settings.

Notes

This product runs on a 64-bit Windows 11 Home edition produced by Microsoft. In desktop mode, you can perform basic Windows operations using a keyboard and mouse.

If applications become unresponsive and can't be closed normally, you can right-click the "Start" button and select "Task Manager" from the pop-up menu. In the Task Manager, you can choose the unresponsive process and select "End Task" to terminate it.

Note: If you purchase a base system configuration without memory or hard drive and it doesn't include an operating system, you will need to install the operating system yourself. The specific installation process will depend on the version of the operating system you choose.

Power Supply

Please use the provided power adapter to power your AYANEO Mini PC. Do not use uncertified power adapters, as this can lead to damage to internal components and unforeseen risks. When the power adapter is plugged into an AC 100-240V power source, avoid prolonged skin contact with the DC output plug to prevent discomfort or injury.

Medical device interference

Some of AYANEO's internal components contain magnets and radio-emitting electromagnetic fields that may interfere with medical devices, pacemakers, defibrillators, or other medical devices. Please maintain a safe distance between medical equipment and AYANEO. Consult your physician and medical device manufacturer for medical device information. Discontinue use of AYANEO if you suspect that AYANEO is interfering with your pacemaker, defibrillator, or other medical device.

AYANEO warrants the included hardware products and accessories for a period of one year from the date of original retail purchase. AYANEO does not warrant normal wear and tear, nor does it warrant damage from accident or abuse. To obtain services, please visit the AYANEO Marketplace or an AYANEO Authorized Service Provider, available service options depend on the country or region in which the service is requested and may be limited to the country of origin of sale. Call charges and international shipping may apply, depending on your location.

AYANEO will repair, replace or refund your AYANEO at its discretion when you submit a valid claim under the Warranty Service Policy. Your warranty rights are in addition to those provided by local consumer laws. Details of proof of purchase may be required when you make a claim under this Warranty Policy.

Support

You may consult with your local dealer for warranty and support service, and you can get online support from our website (www.ayaneo.com). Or you can contact us by service@ayaneo.com if you have any inquiries.

FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

FCC Radiation Exposure Statement:

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