

# Catalogue

## Information about Safety and Comfortable use

Safety instructions

Disposal instructions

Using tips and information

## Mini PC Overview

### Mini PC

### Connect with other equipments

Turn on the computer

Turn off the computer

Tips about connections

# Information about Safety and Comfortable use

## Safety instructions

Please read this instrutor carefully. Please Save this document for future reference. Please follow the warning signs and instructions on the device.

Please cut off the power of the product before cleaning.

Please cut off the power of the product before cleaning. Do not use chemical or spray cleaners. Please wipe with a damp cloth.

## WARNINGS!

- Keep this product away from water.
- To avoid slipping and cause damage, do not place this product on a unstable platform.
- Notches on the computer case is for heat dissipation purposes. Do not block or cover these notches to avoid over heat. In addition, do not put this computer on bed mattress, sofa, blanket, or other simular places. At the same time, keep this product away from heat sources such as electric heater.
- Do not insert any other items into the notches of the device to avoid accidental contact with the circuit, causing a short circuit, fire or electric shock. Do not spill any liquid onto the product.
- Do not put the device on a vibrating surface to avoid damage internal components and cause power leakage.

## Power Supply

- The device will only work properly under the voltage type indicated on the label. If you are unsure of the type of voltage you are using, please consult your dealer or local power company.
- Do not place anything on the power cable or place it where it can be easily stepped on.
- If an extension cable need to be used, the total power consumption of the connected equipment must NOT exceed the total load of the extension cable. At the same time, the total power consumption of the equipment connected to the socket must NOT exceed the total load of the fuse.
- Do not insert too many devices to overload the power outlet, power distribution board, or outlet. The total load of the system must not exceed 80% of the rated power of the branch circuit. If a switchboard is used, the load shall not exceed 80% of the rated power of the main switchboard
- This product's AC adapter is equipped with a three-wire grounded outlet and the plug is only suitable for a grounded electrical outlet. Before plugging in the AC adapter plug, make sure the power outlet is properly grounded. Never plug the plug into an ungrounded electrical outlet. Please contact your electrician for details.



Warning!The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock or injury.



Note: The grounding pin also provides good protection against noise generated by other nearby electronic devices that may interfere with the product.

Please use the adater that supplies in the accessory box. Output voltage 12V, current 5A, length 150mm. Can be used in the voltage between (110V-240V).

## Maintainance

Do not repair the device yourself. Improper disassembly can result in electric shock or other dangerous consequences.

Please consult a professional service provider while there's any problems.

Unplug the plug under the following conditions:

- Power or plug wire is damaged.
- Liquid immersion or splashing equipment.
- The product is accidentally dropped or the casing is damaged.
- Equipment performance changes, obviously need maintaining.
- Follow the instructions and the product still does not work properly.



NOTE: Please adjust the components described in the operating instructions. Wrong adjustments for the components not only damage the device but also bring more troubles for the maintainance staff.

## Replace the battery

When the battery needs to be repaired or replaced, please replace it with the same type of battery we recommend. Using other different types of batteries may cause damage to the equipment, resulting in fire or even explosion.



WARNING: Improper handling of lithium batteries can cause serious pollution to the environment. Please dispose of the discarded lithium batteries in accordance with local laws and regulations; Do not disassemble the battery or put it in a fire, which can cause an explosion; Keep the battery out of the reach of children.

## Network cable security

- Unplug the network cable from the wall outlet before you need to repair or disassemble the device.
- Avoid using the cable during thunderstorms, which may result in indirect lightning strikes.

## Disposal instruction

Do not dispose of this device as normal waste before discarding it. To ensure that pollution is minimized and contributes to global environmental protection, please follow the resource recycling method.



MERCURY 

For projectors or electronics that include LCD/CRT monitors or displays:

The lamp contained in this product contains mercury and must be recycled or disposed of in accordance with local, state, or federal laws. For more information, please contact the Electronic Industries Alliance at [www.eiae.org](http://www.eiae.org). In order to get more information about the lamp, please check [www.lamprecycle.org](http://www.lamprecycle.org)



## Tips for Using comfortable

Computer users may complain of eye strain and headaches after prolonged use. The user is at risk of bodily injury after working long hours in front of the computer. Long hours of work, bad posture, bad work habits, stress, poor working conditions, personal health and other factors can greatly increase the risk of physical injury.

Improper use of the computer can lead to carpal tunnel syndrome, tendonitis, tenosynovitis or other musculoskeletal disorders. The following symptoms may occur in the hands, wrists, arms, shoulders, neck or back:

- Numb, or have a burning or tingling sensation
- Pain, soreness or tenderness
- Pain, swelling or irritability
- Stiff or feeling tight
- Feeling cold or weak.

If you have these symptoms, or have any other recurring or persistent discomfort and/or pain associated with computer use, go to your doctor immediately and notify your health and safety department.

The following sections provide tips for using your computer comfortably.

## Find a comfortable area

Find the comfort zone by adjusting the display's vision, using the adjustment bracket or raising the seat height for maximum comfort. Note the following tips:

- Avoid working in a fixed position for too long.
- Avoid lazily leaning forward or backward.
- Stand up regularly and walk around to eliminate tension in the leg muscles.
- Take a short break to relax your shoulders and neck
- Avoid muscle tension or shrug
- Install the external monitor, keyboard and mouse correctly in a comfortable and practical range.
- If you look at the monitor more than your documents, place the display on a center of the table so that neck strain to a minimum.

## Protect your vision

Prolonged viewing, improper wearing of glasses or contact lenses, glare, excessive room light, poor screen focus, too small fonts, and low contrast on the display can oppress your eyes. The following sections provide suggestions on how to reduce eye strain.

- Make a good rest for your eyes oftenly.
- Leave the monitor at regular intervals and see something far away to let the eyes rest.
- Always blink to keep your eyes moist.

## Overview of the Mini PC

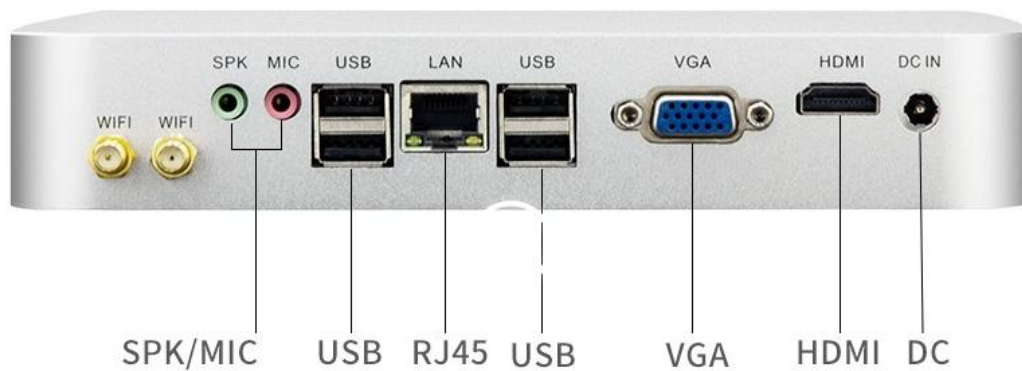
### Panels

What's on the front panel and the rear panel:

Power switch	C CRT/LCD Display port
DC power connector	HDMI
LAN	Microphone input
USB	Earphone/Sound output

Digital audio interface (some configurations are not equipped)

### Reference



### Specifications

Wireless Connectivity 802.11 b/g/n 2 x 2 MIMO Dual-Band Wi-Fi  
Peripheral Interface RJ-45 Gigabit Ethernet, USB port x 4  
Power DC 12V, 5A adapter (included)

# Install the Mini PC

## Furnished comfortably work area

The layout of the work area and the correct use of the settings are prerequisites for safe and comfortable work. Therefore, it is important to take the time to consider how to lay out the work area. Refer to the illustration on the next page when arranging the work area and installing the computer.

Here are a few things to note:

## Adjust the seat

Choosing the right type of seat does not necessarily support the body effectively. It is necessary to adjust the seat to a position suitable for the body. The correct sitting position makes people more comfortable and work more efficiently.

- Avoid tilting the seat. If the seat is tilted, lock the tilt adjustment button to avoid tilting the seat forward or backward when using the computer.
- Adjust the height of the seat so that the thighs are parallel to the ground when sitting down and the feet can be placed flat on the floor.
- Rest the body against the back of the chair, otherwise the body will be struggling to maintain balance.

## Place the computer



Please note the following points when choosing a location for your computer:

- Do not place the computer near any equipment that may cause electromagnetic or radio frequency interference, such as radio transmitters, televisions, copiers, or heating and air



conditioning equipment.

- Avoid placing it in dusty, high (or too low) temperature and humid places.
- Place your computer near your desk or under the desk as long as it does not interfere with the space required for work and activities.

## Place the monitor

Install the monitor in a comfortable viewing position, usually at a distance of 50-60 cm. Adjust the display so that the top of the screen is level with the eye or slightly below the eye.

## Place the keyboard

The placement of the keyboard is an important factor affecting the sitting posture. Being placed too far will tilt the body forward and create an unnatural sitting position. Being placed too high will make the shoulder muscles more tense.

- The keyboard should be placed slightly above the knee. Fold the folding frame at the bottom of the keyboard to adjust the keyboard height.
- While typing, keep your forearms parallel to the ground, your upper arms and shoulders should be relaxed, then try tapping the keyboard for input. If you feel a tight shoulder or neck, stop and check your sitting position.

Place the keyboard in front of the keyboard. Because if the keyboard is placed next to the monitor, you must twist your head when typing, which will make your neck muscles more tense.

## Place the mouse

- The mouse should be placed on the same plane as the keyboard for convenience.
- Adjust the mouse position to ensure full movement without stretching or leaning.
- Move the mouse with your arm. Do not lean your wrist against the table while moving the mouse.

## Connect mouse and keyboard

Connect the mouse or keyboard into any USB port on the rear panel.



## Connect the monitor

When connecting the monitor, simply plug the monitor into the monitor port (blue port) or HDMI port on the back panel of the computer.



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Note: Please refer to the monitor manual for detailed instructions and information.

## Connect the power cable

Please make sure that the AC adapter is properly plugged into the computer and to a power outlet.



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NOTE: Before proceeding to the next step, check the voltage range in your area to confirm that it matches the voltage setting of your computer.



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Note: Keep the AC line tight to avoid the unexpected shutdown.

## Take good care of the AC Adaptor

Pay attention to the following points when storing the AC adapter:

- Do not connect the adapter to any other device.
- Do not step on the power cord or put heavy objects on the power cord. Carefully route the power cord and the cables to avoid obstructing activity.
- Do not pull on the cord when pulling out the power cord. Should pull the plug out slowly.
- If an extension cord is used, the total rated current of the inserted device must not exceed the rated current of the cord. In addition, the total rated current of all equipment plugged into a single wall outlet must not exceed the fuse rating.

## Turn on the computer

You can turn on the computer after connected all the necessary devices and the power cord.

1 Turn on the computer:

2 Turn on all peripheral devices connected to your computer, such as monitors, printers, and speakers.

3 Press the power switch on the front panel of the computer



Important: Make sure the power cord is properly plugged into a power outlet. If using a power strip or AVR (automatic voltage regulator), confirm that the switch is plugged in and turned on.

## Shut down the computer

Follow the following step to shut down the computer:

Windows :

1 Click "Start" button on the Windows taskbar, then click "Shut down" to shut to computer down.

2 Turn off the devices that connected the computer.

If it is not able to shut down properly, press and hold the power button for about 4 seconds (A quick press of the button will only put the computer into sleep mode).

# Connections

## Internet connection

The computer can be connected to a local area network (LAN) via a network cable. Just plug the network cable into the network port on the back panel of your computer.



Once connected to the network, you can access other computers on the network. You may be able to store and retrieve information, use a network printer, a modem, email, or connect to the Internet. You can also share files or create a small network between two computers. Use a pair of shielded Category 5 (shielded Cat 5) Ethernet cables to connect to a 10 Base-T, 100Base-T or 1000Base-T Ethernet network. The Ethernet port on the Extreme BOX automatically detects the connected Ethernet device.

## Connecting Media devices

Multimedia devices such as microphones, headphones, external speakers and audio input devices can be connected. You can use the multimedia features of your computer after installing these devices.

Install the devices by steps below:

- Microphone: Insert the microphone insertion jack (pink socket) located on the front and rear panels of the computer
- The headset is plugged into the headphone jack located on the front panel of the computer.



For the safety of you and your device, Be sure to clean your computer in accordance with the rules in this appendix, as well as guidelines that will allow you to work more comfortably.

This product has been designed and rated to comply with the latest information technology and audio and video equipment safety standards. However, the most important thing is to follow the safety instructions on the product and in the manuscript.

## Safety instructions for installing and using your computer

For the safety of you and your device, be sure to observe the following precautions.

Unplug the power cord (plug instead of pulling the power cord) in either of the following cases.

- The power cable or plug is worn or damaged
- Liquid splashing into the chassis
- The computer is rained or seriously damp
- The computer is dropped or the chassis is worn
- The computer needs to be repaired or repaired
- You want to clean the case of the computer.

[IMPORTANT] The only way to completely shut down the power is to unplug the power cord, disconnect all the devices, and remove the Ethernet cable. Make sure that the end of the power cord is easily accessible so that it can be unplugged when needed.

[WARNING] Your AC cable is equipped with a three-phase grounding plug (one of which is grounded). This plug is only suitable for grounded AC outlets. If you are unable to insert the plug into the socket because the outlet is not grounded, please contact a qualified electrician to replace a properly grounded outlet. Do not ignore the role of the grounding plug.

Be sure to always do the following:

- Make your computer keep away from liquid, such as drinks, washbasins, bathtubs, showers, etc.
- Protect your computer from wet or rainy weather (or rainy days, snowy days, etc.).
- Read all installation instructions carefully before plugging the computer power cord into the computer socket.
- Keep these instructions in an easy-to-access location for your reference and other users.
- Follow all instructions and warnings about your computer.

[IMPORTANT] Electrical equipment can cause harm to humans if not used properly. Operation of this product and similar products must be acknowledged. Never let children touch the inside of electrical equipment or let them pull the cable.

[WARNING] It is strictly forbidden to insert any object into the product through the vent on the cabinet. This is dangerous and can damage your computer.

## Do not repair by yourself

This product does not have any parts that users can repair themselves. Don't try to open the case of your mini computer. If your mini computer needs service, check the service and support information that came with your computer to find out how to contact an authorized service provider for service.

If you disassemble the mini computer or install components, there is a danger of damage to the device and this damage will not be covered by your mini computer's limited warranty.

## Use plug and port

Do not force the plug into the port. If the plugs cannot be easily inserted into the port, they may not match. Make sure the plug matches the port and the plug corresponds to the direction of the port.

Using a power adapter

Follow the guidelines below to use the power adapter:

- Make sure the power plug is fully pushed into the power adapter, computer, and power outlet.
- Leave enough space around the power adapter, do not use the power adapter and computer in a poorly ventilated area
- Use the power adapter that came with your computer. The mini computer uses a 110 watt power adapter.
- The only way to completely disconnect the power supply is to unplug the power cord. Make sure you are pulling the plug instead of pulling the power cord.

[WARNING] The power adapter is hot during use. Always keep the air adapter ventilated around and avoid prolonged contact with it.

[Important] The power adapter is a high-voltage component that cannot be removed for any reason, even if it is not connected to a power source. Never let children touch the inside of electrical equipment or let them touch any cables. If the power adapter requires service, see the service and support information that came with your mini computer for more information.

[Warning] Use only the power adapter supplied with your computer and the AC cord supplied with the power adapter. Adapters and wires for other electronic devices may look similar, but using them can affect your computer's performance and even damage your computer. The AC cord has a three-phase grounding plug (one of which is grounded) and it is only suitable for a grounded AC outlet. If you are unable to insert the plug into the outlet because the outlet is not grounded, contact a qualified electrician to replace a properly grounded outlet.

## Laser information

[WARNING] Adjusting or performing operations other than those specified in the equipment manual may result in exposure to radiation.

Never attempt to disassemble the chassis containing the laser assembly. The laser beam used in this product is harmful to the eyes. Using optical instruments (such as magnifiers) with this product may increase eye damage. For your safety, this device may only be serviced by an authorized service provider.

### Warning:

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 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.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

### RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter