Mini Desktop PC

User Guide

Model: AK2

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CONTENTS

Thank you for purchasing this product. For your safety and interests, please read this product manual and all accompanying materials carefully before using the product!

Disclaimer

1. Please be sure to use the original power supply. The company does not assume any responsibility for any problems or failures caused by any third-party adapters.

2. Users can use music videos, pictures, and software provided by third parties, but we do not assume any responsibility for copyright issues or software failures.

3. If the product fails, we will strictly abide by the warranty terms, but we will not assume any responsibility for any property damage or economic loss that may be caused during use.

4. The device comes with built-in software when it leaves the factory, and it can be used after actual testing. However, if it is deleted or not deleted when looking for compatibility or other problems, it will not cause any impact on the machine. Please note that this is not a problem related to product quality.

5. The company reserves the right to improve the product. Product specifications and design are subject to change without prior notice! Please refer to the actual product.

Notes

1. Please be extra careful when performing operations that may cause file damage or loss.

2. Pay attention to virus protection during the use of the mini PC, and try to use a virus firewall.

3. Turn off the power and disconnect the power supply when the mini PC is not used for a long time.

4. Do not turn on and off the mini PC frequently in a short time. It is recommended that the interval between two starts is at least 10 seconds, preferably not less than 60 seconds.

5. Pay attention to moisture-proof and keep the use environment clean and sterile. If there is dust on the mini PC, please wipe it with a dry soft cloth.

6. Avoid direct strong light to the mini PC and do not approach strong magnetic fields.

7. Do not drop liquids such as water and food on the mini PC and do not pull the data cable, power cable, etc.

Product Specification

CPU	Intel Twin Lake-N N150
Core	4
Thread	4
Cache	6MB Smart Cache
Max Turbo Frequency	3.6GHz
Memory	DDR4 SO-DIMM
SSD	M.2 2280 NGFF/NVME (max 2TB)
Thermal Design Power	6W
Wi-Fi	WiFi 5 (802.11ac)
Bluetooth	4.2
Pre-installed System	Windows 11
Size	5.5*5.5*1.9in 140mm*140mm*47.1mm
Weight	13.3Oz/0.8LB/376g

USB 2.0 USB 3.2
Type-A Type-A

HDMI 2.0
1Gpbs LAN   Type-A   DC 12V

3.55mm Audio Jack   USB 2.0 Type-A

Packing List

FIREBAT Mini PC*1	Power Adapter*1
HDMI Cable*1	User Manual*1
VESA Mounting Bracket*1	Screws

Quick Installation
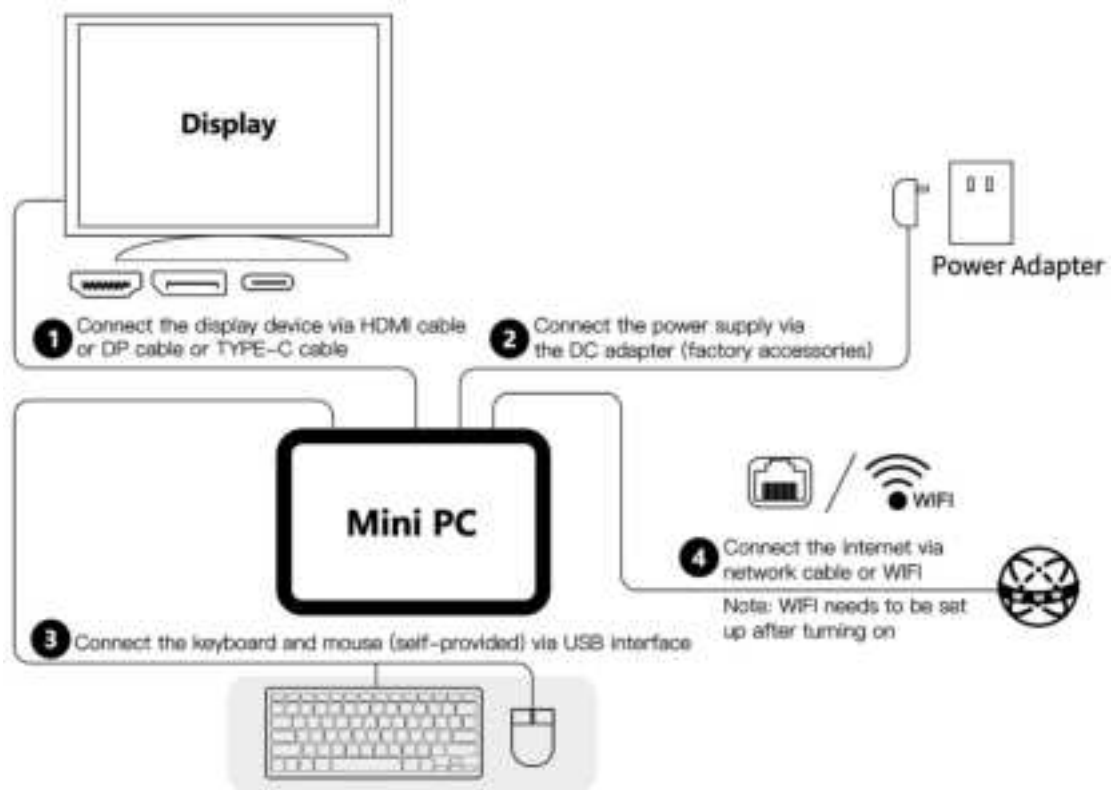
VESA Bracket Installation
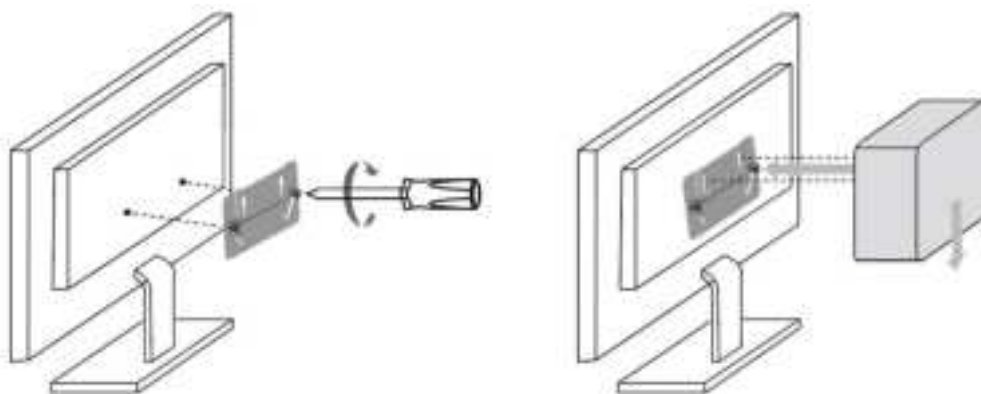
How to Start

When you start your mini PC for the first time, the system will guide you in configuring the Windows operating system.

a. Power On

Press the power button to start your mini computer. You need to wait for several minutes for the first startup until the installation interface appears.

Step 1: Select Language/Country (Region).

Step 2: Select "Input Method" and click "Confirm".

Step 3: Select the second input method, you can "skip".

Step 4: Network: Enter the password to connect after selecting WiFi. Or choose to plug in the network cable to connect. The network will automatically update, and the update process will stay on an interface for a long time, which will extend the startup time. (It is strongly recommended to skip the network connection)

Step 5: Accept the License Agreement

Step 6: Set Username and Password after the installation process is completed, the desktop will appear.

b. Connect to WiFi

Select the WiFi icon from the taskbar to turn on the WiFi.

Select an access point in the list of available WiFi connections.

Select one of the connections to start the network connection.

Note: You may be prompted to enter a security key to activate the WiFi connection.

c. Enter BIOS Setup

BIOS (Basic Input/Output System) is the first software loaded when the Mini PC starts.

Enter BIOS: Click the "Del" or "ESC" key.

Under normal circumstances, the default BIOS settings are applied in most cases to ensure optimal performance. Do not change the default BIOS settings unless you have installed new system components that require further setup or a BIOS update.

Note: Inappropriate BIOS settings may cause instability or failure to start. We strongly recommend that you change BIOS settings only with the help of technical service personnel.

Auto Power On

a. Quickly press the "Del" key to enter BIOS and select "Boot" when starting up.

b. Select "State After G3", press Enter, select "S0 State", press Enter, press F4 key to save, and press Enter.
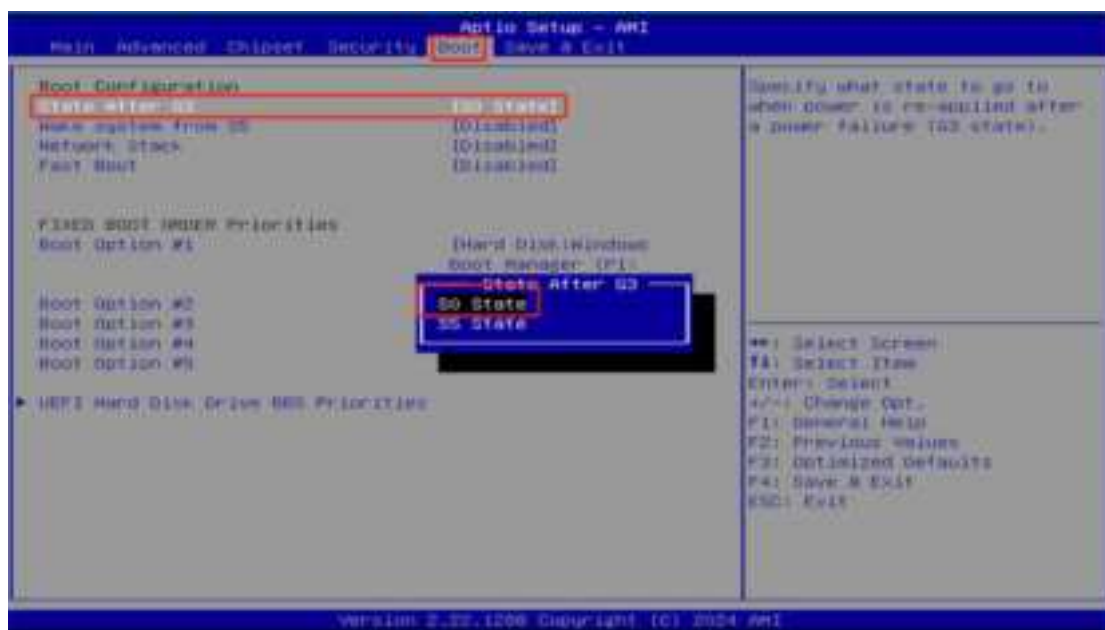
Real-Time Clock Wake-up

a. Quickly press the "Del" key to enter BIOS and select "Boot" when starting up.

b. Select Wake system from S5 [Disabled] and press Enter.

c. Select Fixed Time and press Enter.
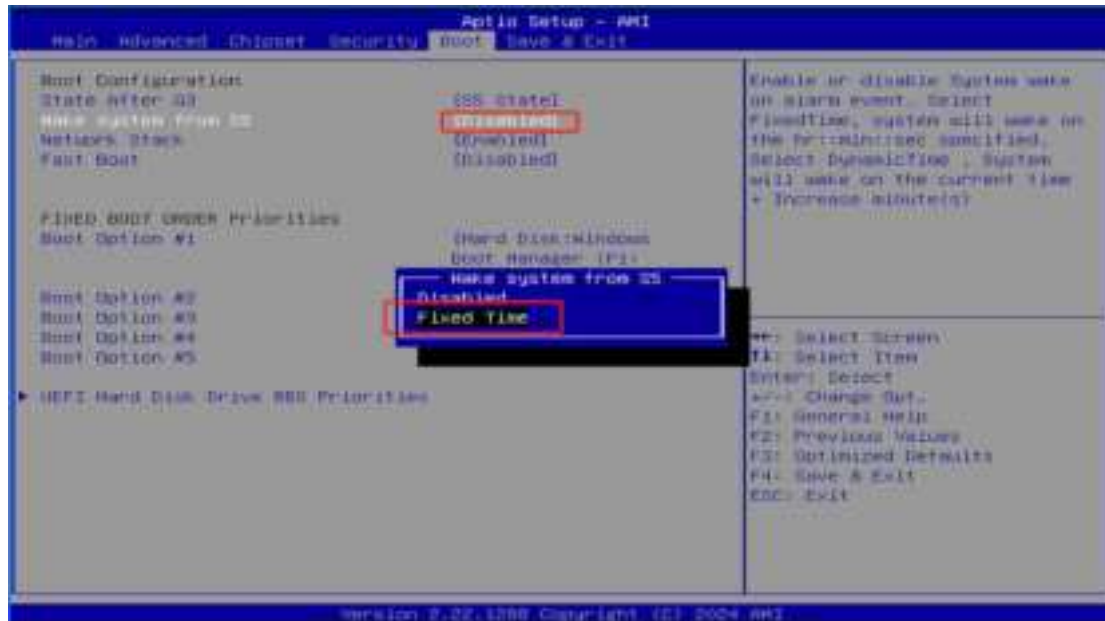
d. Edit the time and select "Wake up hour"/"Wake up minute"/"Wake up second".

e. After setting, press the F4 key to save. You need to enter the system again and then shut down from the system. Then press Enter to restart.

Troubleshooting

Q1: Why can't the machine be turned on?

A1: First, confirm whether the machine is connected to the power supply and whether it is the original charger (some machines do not support PD and other chargers). If the power light is not on and the machine still does not respond, you can disassemble the machine according to our disassembly video steps, unplug and plug the power cable on the motherboard, and then try to turn it on again. If it still doesn't work, please contact the FIREBAT team.

Q2: Why is the fan working and the light working normally, but it can't be turned on?

A2: It should be a problem with the system and it cannot enter the system normally. You can try to unplug and plug the hard disk. For non-onboard machines, you can unplug and plug the memory stick again. If you still cannot boot and enter the system normally after the operation, you can download the image system from the FIREBAT official website and reinstall it.

Q3: How to solve the blue screen crash?

A3: It is generally caused by driver incompatibility. Fixing vulnerability patches or updating driver software may cause blue screen problems caused by driver and patch incompatibility. You can check which driver is incompatible according to the blue screen code. After entering the desktop, uninstall the corresponding driver and then download the factory driver from the FIREBAT official website. Or reinstall the system directly.

Q4: Why is the network slow or the WiFi connection keeps disconnecting?

A4: a. First confirm whether it is a problem with the router or low network bandwidth. If so, it is recommended to change to a better network environment or increase the network bandwidth to improve the network speed. Being too far away from the WiFi or passing through a wall can also cause a weak signal. You can move the device near the signal source to confirm.

b. Uninstall the network card driver and try to reinstall the network card driver.

c. If there is no problem with the network and driver, it may be

that the WiFi contact is poor. You can disassemble the machine and unplug the wires on the WiFi network card.

Q5: How to change the operating system?

A5: First insert the U disk, press the "Delete" key to enter BIOS, then select "startup", then select "boot", and then press the "Enter" key to enter the system priority boot menu, set the U disk as the priority boot, and then enter and save. (Note: We only provide maintenance for pre-installed systems.)

Q6: Why can't the USB port be used?

A6: If the USB port cannot be used after the computer is turned on and enters the desktop, you can try to shut down the computer first. After shutting down, press and hold the power button for 30 seconds, repeat 3 times to discharge static electricity, and then wait for five minutes before turning on the computer. If the USB port still cannot be used normally after turning on the computer, please contact the FIREBAT team.

Q7: Why is it always stuck in the "Windows Preparing Automatic Repair" state?

A7: This problem is mostly caused by problems inside the

machine system.

The solution to the automatic repair that appears when the computer is turned on: a. Wait patiently, the machine is trying to repair, and if successful, the problem can be repaired and solved. b. If the repair fails, download the corresponding image system from the official website and reinstall it. c. Unplug the hard disk. If it still cannot be solved, please reinstall the system.

The solution to the automatic repair of the machine with a blue screen and an error: disassemble the machine and unplug the hard disk and memory stick. If the blue screen is still reported, you can download the image system from the FIREBAT official website and reinstall the system.

Q8: How to solve the video playback jam?

A8: a. Check whether it is caused by limited network speed. You can check the network speed.

b. Check if there is a problem with the transmission bit rate of the corresponding video website.

c. If the computer is not running under high load, but it keeps freezing, please reinstall the system to see if it can be solved. If it still doesn't work, please contact the FIREBAT team.

Q9: What is the reason why the computer becomes very hot?

A9: The computer may be overheated due to high-load operation. It is normal for the computer to overheat when it is under high-load operation for a long time. You can clean the cooling system (fan silicone grease) and improve the cooling environment, such as blowing the machine with a fan. Optimize the process and close unnecessary running software to allow the machine's running memory to have a margin.

Q10: How to fix the display that cannot be woken up after sleep?

A10: a. Open the device manager, right-click the mouse, and select the "Properties" setting.

b. Select "Power Management" and select "Allow the mouse to wake up the machine".

c. Return to the previous level and right-click "Keyboard Property Management".

d. Switch to power management and select "Allow the keyboard to wake up the machine".

Q11: Why can't the computer reach the described pulse frequency?

A11: When the computer is not working, the CPU will always run at the lowest frequency to save power consumption. If it is working, the CPU speed will gradually increase. You can right-click the taskbar to open the "Task Manager", switch to "Performance", and observe the CPU operation status.

Q12: What to do if the mini-computer cannot shut down?

A12: Please press and hold the power button for at least 4-6 seconds until your mini computer shuts down.

Cleaning and Maintenance

1. Turn off the product and unplug the power adapter before cleaning.

2. Wipe the product housing with a wet towel, avoiding interfaces and electrical components, and then wipe it dry with a soft cloth. Do not use corrosive cleaning fluids for cleaning.

3. Do not immerse the product in water or other liquids.

4. After cleaning, place it in a dry and ventilated environment to dry thoroughly before use or storage.

Warranty

We provide a one-year product quality warranty from the date of purchase and provide free lifetime product technical support. For normal faults or quality problems within the warranty period, we provide free replacement or repair services. For damage caused by manual operation, we will charge the cost of product parts for repair. Our technical support team is at your service 24 hours a day. If you encounter any problems during use, please feel free to contact us.

----Contact Us----

For more support or more products please get in touch with us or go to our website.

Website: https://www.firebatpc.com

Email: support@firebatpc.com

Facebook: Firebat