HUNSN BM34

HUNSN BM34 Fanless Mini PC User Manual

Model: BM34

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your HUNSN BM34 Fanless Mini PC. The BM34 is a compact, high-performance desktop computer designed for various applications, including home theater PCs (HTPC) and general computing tasks. Its fanless design ensures silent operation and enhanced durability.

2. PRODUCT OVERVIEW

The HUNSN BM34 Mini PC features a robust aluminum chassis and a comprehensive set of ports for connectivity. Familiarize yourself with the components and ports before initial setup.

Figure 2.1: Top-down view of the HUNSN BM34 Fanless Mini PC, showcasing its compact design and ribbed aluminum casing for passive cooling.
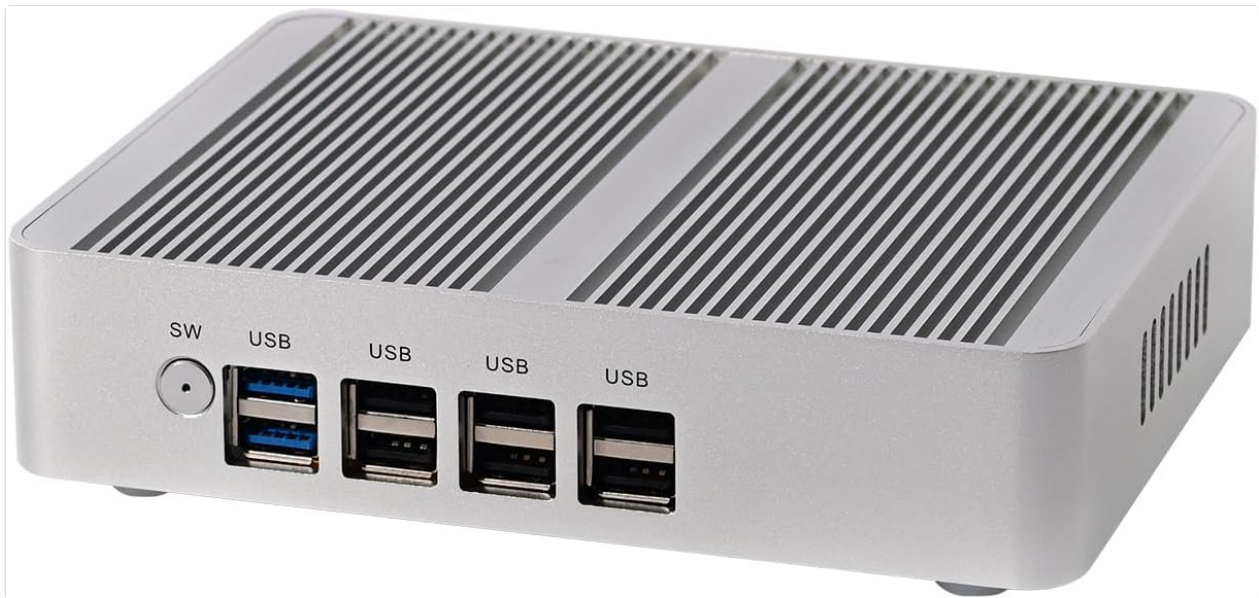
2.1 Rear Panel Ports

Figure 2.2: Rear panel of the HUNSN BM34 Mini PC, displaying various connectivity options.

SPK (Speaker Out): Audio output port.

MIC (Microphone In): Audio input port.

LAN1, LAN2: Two Realtek 10/100/1000 BaseT Gigabit Ethernet ports for wired network connections.

DP (DisplayPort): Digital video output port.

HD1, HD2 (HDMI): Two HDMI video output ports.

DC IN: Power input port (12V/3A).

Antenna Connectors: For Wi-Fi antennas.

2.2 Front Panel Ports

Figure 2.3: Front panel of the HUNSN BM34 Mini PC, showing the power button and USB ports.

SW (Power Button): To power on/off the device.

USB 3.0 Ports: Two high-speed USB ports.

USB 2.0 Ports: Six standard USB ports (four on front, two on rear).

2.3 Internal Components

Figure 2.4: Internal view of the HUNSN BM34 Mini PC, showing the motherboard, RAM slot, and storage interfaces.

CPU: Intel N100 Processor.

Memory: 1 x SO-DIMM DDR4 slot (supports up to 16GB RAM).

Storage: 1 x mSATA SSD slot, 1 x M.2 2280 NVME SSD slot, 1 x 2.5 inch SATA SSD/HDD bay.

Wireless Module: Pre-installed Wi-Fi and Bluetooth module.

3. SETUP GUIDE

Follow these steps to set up your HUNSN BM34 Mini PC:

1. **Connect Display:** Connect your monitor or TV to one of the HDMI or DisplayPort outputs using a compatible cable. The BM34 supports dual-screen display.

2. **Connect Peripherals:** Plug in your USB keyboard and mouse into the available USB ports on the front or rear panel.

3. **Connect Network (Optional):** For a wired internet connection, connect an Ethernet cable from your router or modem to either LAN1 or LAN2 port. For wireless connectivity, ensure the Wi-Fi antennas are securely attached.

4. **Connect Power:** Connect the power adapter to the DC IN port on the rear panel, then plug the power cable into an electrical outlet.

5. **Power On:** Press the power button (SW) on the front panel to turn on the Mini PC.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **To Power On:** Press the power button (SW) on the front panel.
- **To Power Off:**

  - For Windows: Go to Start > Power > Shut down.
  - For Linux: Use the system's shutdown option.
  - **Force Shut Down:** Press and hold the power button for approximately 5 seconds until the device powers off. Use this only if the system is unresponsive.

4.2 Operating System

The HUNSN BM34 Mini PC typically comes pre-installed with Windows 11 Pro or Linux Ubuntu. Refer to your specific configuration for the installed operating system.

- **Windows 11 Pro:** Follow the on-screen instructions for initial setup and personalization.
- **Linux Ubuntu:** Follow the on-screen instructions for initial setup.

For advanced system settings, including BIOS access, consult the operating system's documentation or contact support.

5. MAINTENANCE

The fanless design of the HUNSN BM34 reduces the need for internal cleaning. However, regular external maintenance is recommended to ensure optimal performance and longevity.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the Mini PC. Avoid using liquid cleaners directly on the device. Ensure ventilation fins are free from dust accumulation.
- **Software Updates:** Regularly update your operating system and drivers to ensure security and performance.
- **Environmental Conditions:** Operate the Mini PC within the specified temperature range (-10°C to 60°C) and humidity (10%-90% non-condensing). Avoid direct sunlight and excessive heat sources.
- **Storage:** If storing the device, ensure it is powered off and disconnected from all cables. Store in a cool, dry place.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your HUNSN BM34 Mini PC.

Problem	Possible Cause	Solution
No power	Power cable not connected; Power adapter faulty; Power outlet issue.	Ensure power cable is securely connected to the Mini PC and outlet. Test the power outlet with another device. Try a different compatible power adapter if available.

Problem	Possible Cause	Solution
No display on monitor	Display cable loose or faulty; Incorrect input selected on monitor; Monitor off or faulty.	Check display cable connections. Ensure the monitor is on and set to the correct input source (HDMI/DP). Test with a different monitor or cable if possible.
No internet connection	Ethernet cable disconnected; Wi-Fi drivers not installed; Router/modem issue; Incorrect network settings.	For wired: Check Ethernet cable. For Wi-Fi: Ensure antennas are attached, Wi-Fi is enabled in OS, and drivers are installed. Restart router/modem. Verify network settings in OS.
System slow or unresponsive	Too many applications running; Low storage space; Overheating (unlikely with fanless, but possible in extreme conditions); Malware.	Close unnecessary applications. Free up disk space. Ensure adequate ventilation around the device. Run antivirus/antimalware scans.

7. SPECIFICATIONS

Below are the technical specifications for the HUNSN BM34 Mini PC:

- **Model Number:** HUNSN BM34
- **Material:** Aluminum
- **CPU:** Intel Processor N100 (6M Cache, up to 3.40 GHz)
- **Memory:** 1 x SO-DIMM DDR4 3200 MT/s, Max. 16 GB RAM
- **Storage:** 1 x mSATA SSD, 1 x M.2 2280 NVME SSD, 1 x 2.5 inch SATA SSD/HDD
- **Audio Card:** ALC892
- **Network Card:** 2 x Realtek 10/100/1000 BaseT LAN
- **WiFi:** 802.11ac 2.4 and 5 GHz
- **Bluetooth:** 4.0/4.2
- **I/O Ports:** SW (Power), 2 x USB 3.0, 6 x USB 2.0, SPK, MIC, 2 x LAN, DP, 2 x HDMI, DC_IN
- **Power:** DC100-240V AC/50-60Hz input, DC 12V/3A output
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -20°C to 80°C
- **Relative Humidity:** 10%-90% non-condensing
- **Dimensions:** 170 x 125 x 50 mm
- **TDP:** 6W (typical consumption)
- **Cooling System:** Fanless
- **System Support:** Windows 11, Linux Ubuntu, etc.

8. WARRANTY AND SUPPORT

The HUNSN BM34 Mini PC comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects and hardware malfunctions under normal use conditions.

For technical support, warranty claims, or further assistance, please contact HUNSN customer service through your purchase platform or the official HUNSN website. When contacting support, please have your model number (BM34) and purchase details ready.

For system options such as specific OS language or Linux installation, please communicate with HUNSN

directly at the time of order or through their support channels.

Related Documents - BM34

	[HUNSN FMC-BM02 Series Fanless Mini PC Datasheet](#) Datasheet for the HUNSN FMC-BM02 Series Fanless Mini PC, featuring 4th-7th Gen Intel® Core™ i7 processors, rich I/O, and flexible storage options. Includes detailed specifications and ordering information.
	[HUNSN FMC-BM02 Series Fanless Mini PC Datasheet](#) Datasheet for the HUNSN FMC-BM02 Series Fanless Mini PC, featuring 4th-7th Gen Intel® Core™ i7 processors, rich I/O, and flexible storage options. Includes detailed specifications and ordering information.