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PARTAKER B8-I7 1255U-8G128G

PARTAKER Fanless Mini PC User Manual

Model: B8-I7 1255U-8G128G

1. INTRODUCTION

Thank you for choosing the PARTAKER Fanless Mini PC. This manual provides essential information for setting up, operating, and maintaining your new computer. Please read this manual thoroughly before using the device to ensure proper function and longevity.

This Mini PC is designed for silent operation and high performance, featuring an Intel Core i7-1255U processor, 8GB RAM, and a 128GB SSD, making it suitable for a wide range of applications from home theater to office work.

2. PRODUCT OVERVIEW

The PARTAKER Fanless Mini PC is a compact and powerful desktop computer. Below are the key components and port layouts.

2.1. Front Panel



The front panel of the Mini PC includes four USB 2.0 ports and the power button. These ports are convenient for connecting frequently used peripherals such as keyboards, mice, or USB drives.

2.2. Rear Panel



The rear panel provides the main connectivity options for the Mini PC:

- **MIC (Microphone Input):** For connecting an external microphone.
- **SPK (Speaker Output):** For connecting external speakers or headphones.
- **USB 3.0 Ports (x4):** High-speed ports for data transfer and connecting peripherals.
- **LAN (Ethernet Port):** For wired network connection.
- **DP (DisplayPort):** For connecting a display, supporting up to 4K (7680x4320 @ 60Hz).
- **HDMI (High-Definition Multimedia Interface):** For connecting a display, supporting up to 4K (4096x2304 @ 60Hz).
- **DC IN:** Power input for the included power adapter.
- **WiFi Antenna Connectors:** For attaching the included WiFi antennas.

2.3. Overall View



This image provides a general perspective of the fanless design and compact form factor of the Mini PC.

3. SPECIFICATIONS

Detailed technical specifications for the PARTAKER Fanless Mini PC:

Feature	Value
Model Number	Partaker B8
Processor	Intel Core i7-1255U (12M Cache, up to 4.70 GHz)
Graphics	Intel Iris Xe Graphics eligible
Memory (RAM)	8GB DDR4-3200 (2 x SODIMM slots, Max. 64GB)
Storage	128GB SSD (1 x mSATA, 1 x M.2 2280 NVME, 1 x 2.5 inch SATA SSD/HDD slot)
Network Interface	Intel Gigabit NIC
Wireless Connectivity	M.2 802.11ac 2.4GHz/5GHz Dual-Band WiFi
USB Ports	4 x USB 3.0, 4 x USB 2.0
Video Outputs	1 x HDMI (4K 4096x2304 @ 60Hz), 1 x DisplayPort (4K 7680x4320 @ 60Hz)
Audio	Mic, Spk (USB audio chip, HIFI level magic sound card)
Expansion	5G module slot with SIM slot
Power Supply	DC 19V5A (Input: DC100-240V AC/50-60Hz)
Dimensions	225 x 185 x 50mm
Weight	2.5 KGS
Operating Temperature	0°C~70°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-68°F~176°F)
Relative Humidity	10%~90% (non-condensing)
Pre-installed OS	Windows 11 Pro

4. SETUP GUIDE

4.1. Package Contents

Verify that all items are present in the package:

- PARTAKER Fanless Mini PC
- Power Adapter

- WiFi Antennas
- CD (likely containing drivers)

4.2. Connecting Peripherals

Follow these steps to connect your Mini PC:

1. **Connect Display:** Connect your monitor to the Mini PC using either the HDMI or DisplayPort.
2. **Connect Input Devices:** Plug your USB keyboard and mouse into any of the available USB ports (USB 3.0 ports are recommended for faster response).
3. **Connect Network:** For a wired connection, plug an Ethernet cable into the LAN port. For wireless, screw in the two WiFi antennas to their respective connectors on the rear panel.
4. **Connect Power:** Plug the power adapter into the DC IN port on the Mini PC, then plug the adapter into a power outlet.

4.3. Initial Boot

After connecting all peripherals and power, press the power button on the front panel. The system will boot up. If Windows 11 Pro is pre-installed, it will guide you through the initial setup process.

5. OPERATING INSTRUCTIONS

5.1. Operating System

The Mini PC comes with Windows 11 Pro pre-installed. If you wish to install a new operating system (e.g., Linux Ubuntu) from a USB drive, power on the device and continuously press the **F11** key to enter the boot menu. To access the BIOS settings, continuously press the **Delete** key during startup.

5.2. Dual Screen Display

The Mini PC supports dual-screen display via its HDMI and DisplayPort outputs. You can configure the displays for simultaneous mirroring or extended desktop mode. The HDMI port supports up to 4K (4096x2304 @ 60Hz), and the DisplayPort supports up to 4K (7680x4320 @ 60Hz). Note that DP to VGA transfer is supported, but DP to HDMI transfer is not directly supported.

5.3. Storage Expansion

The Mini PC offers flexible storage expansion options:

- One mSATA SSD slot
- One M.2 2280 NVME SSD slot
- One 2.5 inch SATA SSD/HDD slot (supports up to 2TB HDD)

These options allow for significant storage upgrades to accommodate large files, applications, and media.

6. MAINTENANCE

6.1. Cleaning

To maintain optimal performance and appearance, regularly clean the Mini PC:

- Use a soft, dry cloth to wipe the exterior surfaces.
- Avoid using liquid cleaners or aerosols directly on the device.
- For dust accumulation in ports, use compressed air carefully. Ensure the device is powered off before cleaning.

6.2. Environmental Conditions

Operate the Mini PC within the specified temperature and humidity ranges to prevent damage:

- **Operating Temperature:** 0°C to 70°C (32°F to 140°F)
- **Storage Temperature:** -20°C to 80°C (-68°F to 176°F)
- **Relative Humidity:** 10% to 90% (non-condensing)

Avoid placing the device in direct sunlight, near heat sources, or in excessively dusty or humid environments.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Mini PC:

Problem	Possible Solution
No power/System does not turn on	<ul style="list-style-type: none">◦ Ensure the power adapter is securely connected to the Mini PC and the power outlet.◦ Verify the power outlet is functional.◦ Check if the power adapter's indicator light is on.
No display on monitor	<ul style="list-style-type: none">◦ Ensure the monitor is powered on and set to the correct input source (HDMI/DP).◦ Check the display cable connection between the Mini PC and the monitor.◦ Try a different display cable or monitor if available.
No network connection (wired)	<ul style="list-style-type: none">◦ Verify the Ethernet cable is securely plugged into the LAN port and the router/modem.◦ Check your router/modem status.◦ Restart the Mini PC and your network equipment.
No network connection (wireless)	<ul style="list-style-type: none">◦ Ensure WiFi antennas are securely attached.◦ Check if WiFi is enabled in the operating system settings.◦ Verify the correct WiFi network is selected and the password is entered correctly.◦ Move closer to the wireless router or remove obstructions.

Problem	Possible Solution
System is slow or unresponsive	<ul style="list-style-type: none">◦ Close unnecessary applications running in the background.◦ Check for sufficient free storage space.◦ Ensure the operating system and drivers are up to date.◦ Restart the Mini PC.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact PARTAKER customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.