EVRAIN T8 PRO

EVRAIN T8 PRO Mini PC User Manual

Model: T8 PRO | Brand: EVRAIN

1. INTRODUCTION

Thank you for choosing the EVRAIN T8 PRO Mini PC. This compact and powerful device is designed for various computing needs, featuring an 8-inch touch screen, robust connectivity options, and efficient performance. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Mini PC to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

2.1. Package Contents

- EVRAIN T8 PRO Mini PC
- Power Adapter
- User Manual (this document)

2.2. Device Layout and Ports

Familiarize yourself with the various ports and features of your EVRAIN T8 PRO Mini PC.

Figure 2.2.1: Front and Rear Port Layout of the EVRAIN T8 PRO Mini PC. The image displays the mini PC with its 8-inch touch screen showing a Windows desktop. Below it, two detailed diagrams illustrate the front and rear ports. The rear ports include two RJ45 Gigabit LAN ports, two USB 3.0 ports, a DisplayPort (DP), an HDMI port, and a DC power input. The front ports include a 3.5mm audio jack, a Type-C port, two USB 3.0 ports, two USB 2.0 ports, a TF-card slot, and the power button.
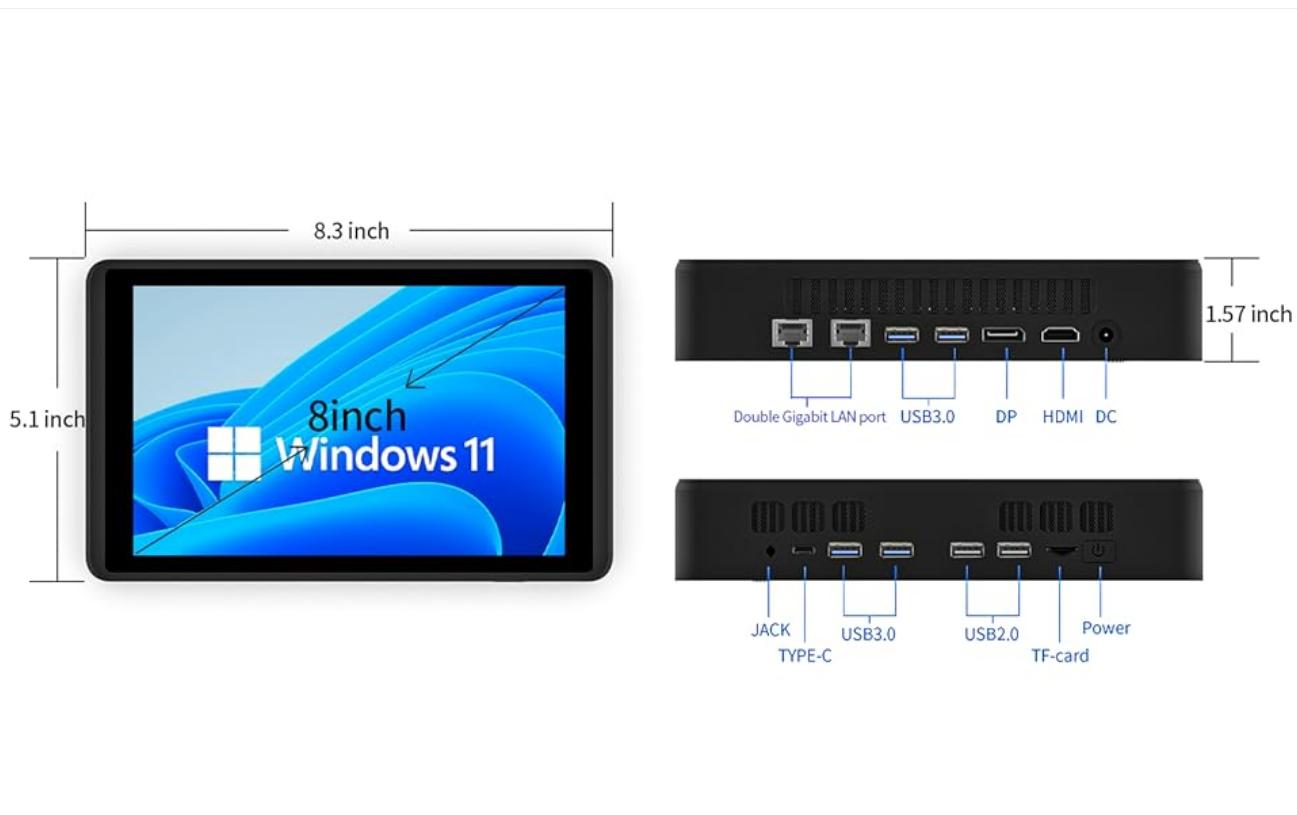
Figure 2.2.2: EVRAIN T8 PRO Mini PC Dimensions and Port Identification. This image provides a visual representation of the mini PC's dimensions (8.3 inches wide, 5.1 inches deep, 1.57 inches high) and clearly labels all available ports on both the front and rear panels. Rear ports include Double Gigabit LAN ports, USB 3.0, DP, HDMI, and DC. Front ports include Jack, Type-C, USB 3.0, USB 2.0, TF-card, and Power button.

- **8-inch Touch Screen:** Integrated display for direct interaction.

- **Dual Gigabit LAN Ports (RJ45):** For stable wired network connections.
- **USB 3.0 Ports (x4):** High-speed data transfer for peripherals.
- **USB 2.0 Ports (x2):** For connecting standard USB devices.
- **HDMI Port:** For connecting to external displays.
- **DisplayPort (DP):** For connecting to external displays.
- **Type-C Port:** Versatile port for data and display.
- **3.5mm Audio Jack:** For headphones or external speakers.
- **TF-Card Slot:** For expandable storage via microSD cards.
- **DC Power Input:** For connecting the power adapter.
- **Power Button:** To turn the device on/off.

3. SETUP

3.1. Initial Connection

1. **Connect Peripherals:** Connect your keyboard, mouse, and any other necessary USB devices to the available USB ports.
2. **Network Connection:** For wired internet, connect an Ethernet cable to one of the RJ45 LAN ports. For wireless internet, the device supports WiFi 6 and will prompt for network setup during initial Windows configuration.
3. **External Display (Optional):** If using an external monitor, connect it to the HDMI or DisplayPort.
4. **Power Connection:** Connect the provided power adapter to the DC power input port on the Mini PC, then plug the adapter into a power outlet.

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Video 3.1.1: Unpacking and Initial Setup Guide. This video demonstrates the process of unboxing the EVRAIN T8 PRO Mini PC and connecting essential peripherals like a keyboard and mouse, followed by powering on the device for the first time.

3.2. First Boot and Windows 11 Pro Setup

1. Press the Power Button on the front of the Mini PC.
2. The device will boot into Windows 11 Pro. Follow the on-screen instructions to complete the initial setup, including language selection, region, network connection, and user account creation.
3. Ensure you have an active internet connection for Windows activation and updates.

4. OPERATING INSTRUCTIONS

4.1. Using the Touch Screen

The 8-inch touch screen allows for intuitive interaction with Windows 11 Pro. Use gestures similar to a tablet or smartphone for navigation, selection, and input.

Figure 4.1.1: Convenient Touch Operation. This image shows a hand touching the 8-inch display of the EVRAIN T8 PRO Mini PC, highlighting its touch screen functionality for direct user interaction.

4.2. Connecting External Devices

The EVRAIN T8 PRO Mini PC supports a wide range of external devices for enhanced productivity and entertainment.

Figure 4.2.1: Supports Connection of Multiple Devices. This image illustrates the EVRAIN T8 PRO Mini PC connected to an external monitor displaying Windows 11, and a printer, demonstrating its capability to connect to various peripherals like printers, monitors, keyboards, and mice.

- **Monitors:** Use the HDMI or DisplayPort for connecting external monitors. The Mini PC can extend or duplicate your

display.

- **USB Devices:** Connect keyboards, mice, external hard drives, USB flash drives, and other USB peripherals to the USB 2.0 or USB 3.0 ports.
- **Audio Devices:** Use the 3.5mm audio jack for headphones or speakers, or connect Bluetooth audio devices via Bluetooth 5.2.
- **TF-Card:** Insert a TF (microSD) card into the dedicated slot for additional storage.

4.3. Network Connectivity

- **Wired Network:** Utilize the dual Gigabit LAN ports for high-speed and stable wired internet connections.
- **Wireless Network (WiFi 6):** Connect to wireless networks using the integrated WiFi 6 module for fast and reliable wireless connectivity.
- **Bluetooth 5.2:** Pair with Bluetooth-enabled devices such as headphones, speakers, and input devices.

Figure 4.3.1: Powerful Network Connection. This image highlights the EVRAIN T8 PRO Mini PC's advanced wireless capabilities, including WiFi 6 and Bluetooth 5.2, ensuring fast and stable network and peripheral connections.

5. Storage Expansion

The EVRAIN T8 PRO Mini PC comes with 128GB of M.2 SSD storage and supports additional storage expansion.

8GB DDR4
Supports 2666MT/s data transfor ratos

128GB M.2 SSD
Add a2.5* SATA SSD(Not includod),max 2TB
Add M.2 2280 NVMO PClo or SATA SSD,max 2TB

Figure 5.1.1: Internal Components and Storage Expansion. This image provides an internal view of the EVRAIN T8 PRO Mini PC, highlighting the 8GB DDR4 RAM and the 128GB M.2 SSD. It also shows the accessible compartment for adding a 2.5-inch SATA SSD (up to 2TB) or an M.2 2280 NVMe PCIe or SATA SSD (up to 2TB).


HDD Hard Disk Expansion Interface
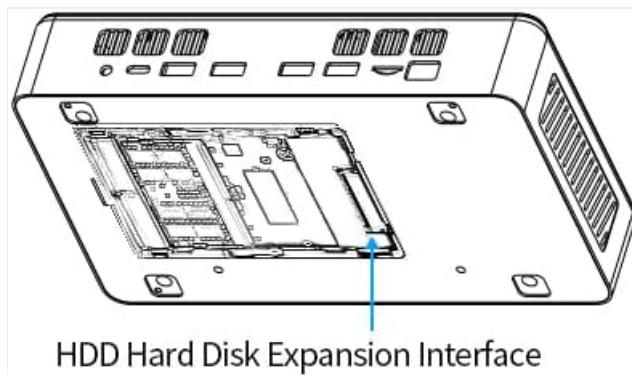
Figure 5.1.2: HDD Hard Disk Expansion Interface. This diagram illustrates the location of the HDD Hard Disk Expansion Interface on the underside of the EVRAIN T8 PRO Mini PC, indicating where additional storage can be installed.

- **2.5" SATA SSD/HDD:** You can add a 2.5-inch SATA SSD or HDD (not included) up to 2TB for additional storage.

- **M.2 2280 NVMe PCIe/SATA SSD:** The device supports adding an M.2 2280 NVMe PCIe or SATA SSD (not included) up to 2TB.

For detailed instructions on installing additional storage, please refer to the technical support section on the EVRAIN website or consult a qualified technician.

6. SPECIFICATIONS

Below are the key technical specifications for the EVRAIN T8 PRO Mini PC:

Feature	Specification
Model	T8 PRO
Processor	Intel N95 (4 Cores, 4 Threads, 6MB L3 Cache, 15W TDP, up to 3.40 GHz Burst Frequency)
RAM	8 GB DDR4
Internal Storage	128 GB SSD (M.2)
Display	8-inch Touch Screen, 1280x800 Resolution
Graphics Coprocessor	Integrated Graphics
Operating System	Windows 11 Pro
Wireless Connectivity	WiFi 6 (802.11a/b/g/n/ac), Bluetooth 5.2
LAN Ports	Dual Gigabit RJ45
USB Ports	4x USB 3.0, 2x USB 2.0
Video Output	HDMI, DisplayPort (DP), Type-C
Audio	3.5mm Audio Jack
Card Reader	TF-Card Slot
Dimensions (LxWxH)	8.31 x 51.18 x 1.61 inches
Weight	2.86 pounds

Figure 6.1.1: Alder Lake-N95 Processor. This image highlights the specifications of the Intel N95 processor, including its 4 cores, 4 threads, 6MB L3 cache, 15W TDP, and 3.40 GHz burst frequency, which powers the EVRAIN T8 PRO Mini PC.

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Video 6.1.1: T8 PRO Introduction of Specification. This video provides a visual overview of the EVRAIN T8 PRO Mini PC's key specifications and features, including its various ports and internal components.

7. TROUBLESHOOTING

7.1. Common Issues and Solutions

- **No Power:**

  - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
  - Verify the power outlet is functional by plugging in another device.

- **No Display:**

  - If using an external monitor, ensure the HDMI/DP cable is securely connected and the monitor is powered on and set to the correct input source.
  - Check the integrated 8-inch touch screen for any signs of power or activity.
  - Try restarting the Mini PC.

- **No Internet Connection:**

  - **Wired:** Check Ethernet cable connections and router status.
  - **Wireless:** Verify WiFi is enabled in Windows settings, ensure you are connected to the correct network, and check router functionality.

- **Touch Screen Unresponsive:**

  - Restart the Mini PC.
  - Check for updated display or touch screen drivers in Windows Device Manager.

- **Slow Performance:**

    - Close unnecessary applications running in the background.

    - Ensure Windows is up to date.

    - Check disk space and consider adding more storage if needed (refer to Section 5).

8. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. For the screen, use a microfiber cloth specifically designed for electronics. Avoid abrasive cleaners or solvents.

- **Ventilation:** Ensure the ventilation openings are clear of dust and obstructions to prevent overheating. Do not block the air vents.

- **Software Updates:** Regularly update Windows 11 Pro and device drivers to ensure optimal performance, security, and compatibility.

- **Data Backup:** Periodically back up important data to an external drive or cloud storage to prevent data loss.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official EVRAIN website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Online Resources: Visit the EVRAIN support page for FAQs, driver downloads, and additional troubleshooting guides.