

ONERugged P10J

ONERugged 10.1 inch Industrial Panel PC P10J User Manual

Model: P10J

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your ONERugged 10.1 inch Industrial Panel PC P10J. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

The ONERugged P10J is a robust industrial-grade panel PC designed for demanding environments. It features a 10.1-inch capacitive touch screen, powered by an Intel Celeron N5100 processor, and runs on Windows 11 Pro. Its fanless design and rich interface options make it suitable for various industrial and commercial applications.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x ONERugged Industrial Panel PC P10J
- 4 x PPC Hook Assembly
- 1 x 12V/4A Power Adapter
- 2 x Antennas
- 1 x User Manual (this document)



Figure 2.1: Contents of the ONERugged P10J package. Shown are the panel PC, power adapter, two antennas, and four PPC hook assemblies.

3. PRODUCT OVERVIEW

3.1 Front View



Figure 3.1: Front view of the ONERugged P10J, showcasing its 10.1-inch display with Windows 11 Pro interface.

3.2 Rear View and Interfaces

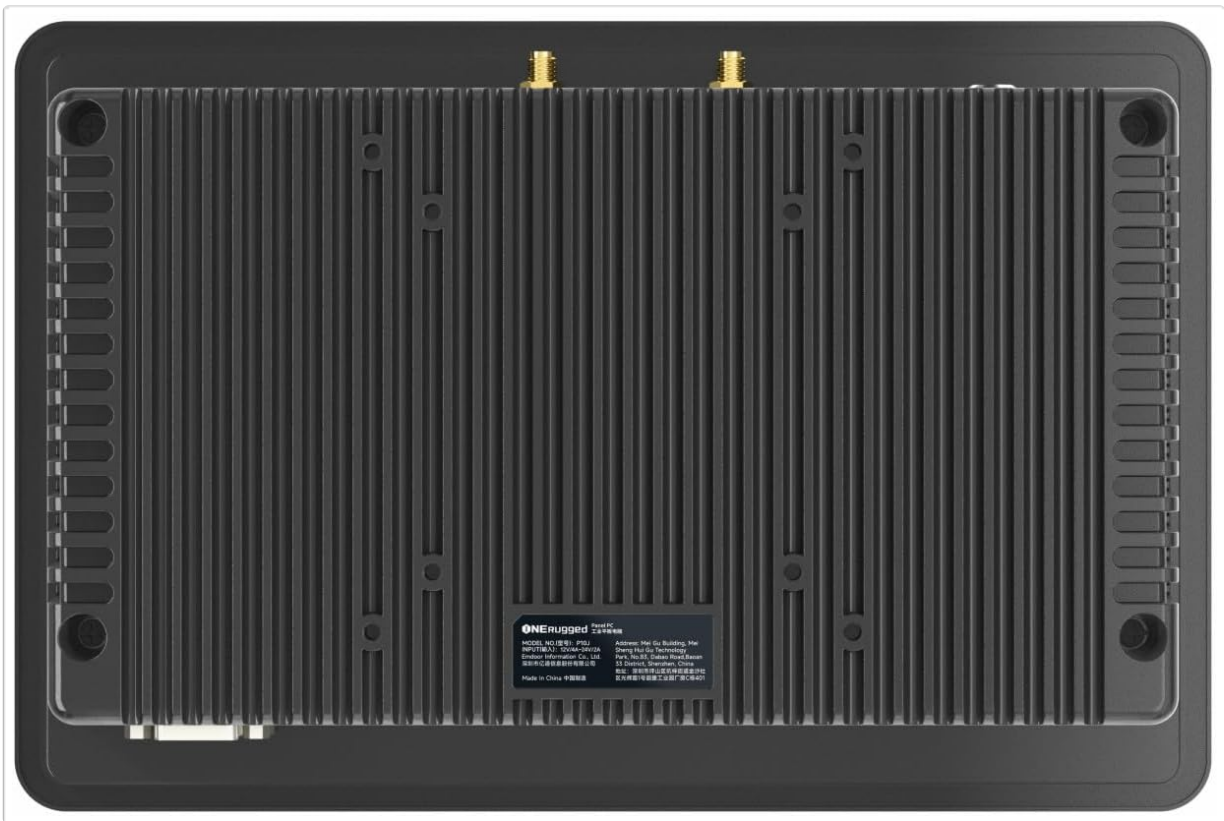


Figure 3.2: Rear view of the ONERugged P10J, highlighting the fanless design with heat dissipation fins and various port labels.

The rear panel includes:

- 2 x COM RS232 ports
- 2 x USB 3.0 ports
- 2 x USB 2.0 ports
- 1 x HDMI port
- 2 x Ethernet (LAN) 10/100/1000M ports
- 1 x Audio port (Line-in, Line-out)
- DC Power Input
- Antenna Connectors



Figure 3.3: Multiple views of the P10J, illustrating its compact design and the placement of all input/output ports.

4. SETUP INSTRUCTIONS

4.1 Connecting Peripherals

1. **Connect Antennas:** Screw the two provided antennas onto the connectors on the rear panel for Wi-Fi and Bluetooth functionality.
2. **Connect Power:** Plug the 12V/4A power adapter into the DC IN port on the rear panel, then connect the adapter to a power outlet.
3. **Connect Network (Optional):** For wired network access, connect an Ethernet cable to one of the LAN ports.
4. **Connect USB Devices (Optional):** Connect USB keyboards, mice, or other peripherals to the available USB 2.0 or USB 3.0 ports.
5. **Connect External Display (Optional):** If an external display is required, connect it via the HDMI port.

4.2 Mounting the Panel PC

The P10J supports various installation methods, including embedded and VESA mounting. Use the provided PPC Hook Assembly for secure embedded installation.

1. **Embedded Mounting:**
 - Prepare an opening in the mounting surface according to the dimensions provided in the specifications section.
 - Insert the P10J into the opening from the front.
 - Attach the PPC Hook Assemblies to the sides of the P10J from the rear, securing it to the

mounting surface.

2. VESA Mounting:

- The P10J supports standard VESA mounting. Refer to the specifications for VESA hole patterns.
- Attach a compatible VESA mount (not included) to the rear of the P10J.
- Secure the device to a wall or arm using the VESA mount.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Power On:** Press the power button located on the side of the unit. The system will boot up automatically.
- **Power Off:** To safely shut down the system, use the Windows 11 shutdown procedure (Start Menu > Power > Shut down). Avoid direct power disconnection during operation to prevent data loss.

5.2 Touch Screen Operation

The 10.1-inch capacitive touch screen supports 10-point multi-touch gestures, similar to a standard tablet or smartphone. Use your fingers for navigation, selection, and input.

- **Tap:** Select an item or open an application.
- **Double-tap:** Execute an action or open a file.
- **Drag:** Move items or scroll through content.
- **Pinch-to-zoom:** Zoom in or out on images and documents.

5.3 Windows 11 Pro

The P10J comes pre-installed with Windows 11 Pro. Familiarize yourself with the operating system's interface and features for optimal use. Regular updates are recommended for security and performance.

6. MAINTENANCE AND CARE

6.1 Cleaning

- Use a soft, lint-free cloth to clean the screen and exterior.
- For stubborn marks, slightly dampen the cloth with water or a mild, non-abrasive cleaner.
- Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the device.

6.2 Environmental Considerations

The P10J is designed for industrial environments and offers resistance to dust, vibration, and temperature extremes. However, prolonged exposure to conditions outside its specified operating range can affect its lifespan.

- Operating Temperature: -20°C to 60°C
- Storage Temperature: Consult product specifications for exact range.
- Humidity: Avoid high humidity environments.

6.3 Software Updates

Regularly check for and install Windows updates to ensure system security and stability. Driver updates for specific hardware components may also be available from the manufacturer's website.

7. TROUBLESHOOTING

- **No Power:**
 - Ensure the power adapter is securely connected to both the device and a working power outlet.
 - Verify the power outlet is functional by plugging in another device.
- **Display Issues:**
 - If the screen is blank, ensure the device is powered on.
 - Check display settings in Windows if an external monitor is connected and not displaying correctly.
- **Touch Screen Unresponsive:**
 - Restart the device.
 - Ensure the screen is clean and free of debris.
 - If the issue persists, contact technical support.
- **Network Connectivity Problems:**
 - For Wi-Fi, ensure antennas are properly installed and Wi-Fi is enabled in Windows settings.
 - For wired LAN, check Ethernet cable connections and router status.

For further assistance, please refer to the official ONERugged support resources.

8. SPECIFICATIONS

Feature	Detail
Model Name	P10J
Screen Size	10.1 Inches
Screen Resolution	800 x 1280 Pixels
Processor	Intel Celeron N5100 (up to 2.8 GHz)
RAM	8GB LPDDR4
Storage	128GB SSD (expandable)
Graphics Coprocessor	Intel UHD Graphics 620
Operating System	Windows 11 Professional
Wireless Type	802.11ac, Bluetooth 5.0
USB Ports	2 x USB 3.0, 2 x USB 2.0
Other Interfaces	HDMI, 2 x RS232, 2 x LAN, Audio (Line-in, Line-out)
Item Weight	4.41 pounds (approx. 2 kg)

Feature	Detail
Product Dimensions	10.13 x 6.7 x 1.81 inches (approx. 25.7 x 17.0 x 4.6 cm)
Color	Black

9. OFFICIAL PRODUCT VIDEOS

The following videos provide additional information and demonstrations of the ONERugged P10J and related products.

ONERugged 10.1 inch Industrial Panel PC P10J Overview

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This video provides a detailed overview of the ONERugged 10.1 inch Industrial Panel PC P10J, showcasing its features, design, and potential applications. It highlights the product's robust construction and various connectivity options.

ONERugged Smart Laboratory Testing

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This video demonstrates the rigorous testing procedures conducted at the Emdoor Laboratory to ensure the stability, durability, and reliability of ONERugged products. It covers environmental reliability, EMC, and other critical tests.

10. WARRANTY AND SUPPORT

For warranty information, technical support, and service inquiries, please visit the official ONERugged website or contact their customer service department. Keep your purchase receipt for warranty claims.

Online Resources:

- [ONERugged Amazon Store](#)