

NORQIN 17-J6412-8-256

NORQIN 17-inch Industrial Embedded Panel PC User Manual

Model: 17-J6412-8-256

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your NORQIN 17-inch Industrial Embedded Panel PC, Model 17-J6412-8-256. This device is designed for robust performance in various industrial and commercial environments, featuring a 10-point capacitive touchscreen and IP65-rated dust and water resistance.

Your browser does not support the video tag.

Video Description: An overview of the NORQIN industrial embedded panel PC, highlighting its design, features, and applications in various settings.

2. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- 1 × Industrial Panel PC
- 1 × Power Adapter
- 1 × Power Cable
- 2 × Wi-Fi Antennas
- 2 × Embedded Buckle Kits
- 1 × Warranty Card
- 1 × Wall-mounted VESA Bracket

3. PRODUCT OVERVIEW

The NORQIN 17-inch Industrial Embedded Panel PC features a robust all-aluminum construction, ensuring

durability and efficient heat dissipation. Its integrated design provides enhanced protection against environmental factors.



Image Description: A front view of the 17-inch industrial panel PC displaying an industrial robotic arm, and a rear view showing the various input/output ports and the fin-type heat sink.

3.1. Interfaces

The device is equipped with a variety of input/output ports to support diverse industrial connectivity requirements:

-20~60°C Working Environment

More Durable and Adaptable to Harsh Environments



Image Description: A close-up view of the top and bottom interfaces of the industrial panel PC, labeling ports such as Power, USB, LAN, COM, HDMI, Earphone, and GPIO.

- **Power Interface:** DC 12V input.
- **USB Ports:** Multiple USB 2.0 and USB 3.0 ports for peripheral connections.
- **LAN Ports:** Dual LAN ports for network connectivity.
- **COM Ports:** Multiple COM ports (RS232/RS485) for industrial control and communication.
- **HDMI:** For external display output.
- **GPIO:** General Purpose Input/Output for custom applications.
- **Wi-Fi Antenna Connectors:** For wireless network connectivity.

4. SETUP

4.1. Mounting Options

The NORQIN Industrial Panel PC supports various installation methods to suit different environments:



Multi-touch



High-performance



EMI-resistant



Wide-temperature



Water-proof



Dust-proof

Low Power
Consumption

Customizable

Smart Home

Connects and manages smart devices (e.g., thermostats, lights), enabling stable data transmission and responsive control for a convenient smart living experience.



Image Description: A visual representation of different mounting options for the industrial panel PC, including wall-mounted, desktop, snap-in embedded, cantilever, and suspended mounting. A VESA bracket is shown as included.

- **Desktop:** Use the included VESA stand for stable desktop placement.
- **Wall-Mounted:** Utilize the provided VESA bracket for secure wall installation.
- **Embedded:** The slim design allows for seamless integration into kiosks or control panels using the embedded buckle kits.
- **Other:** Supports cantilever and suspended mounting with compatible accessories (not included unless specified).

4.2. Power Connection

1. Connect the power adapter to the DC 12V input port on the device.
2. Plug the power cable into the power adapter and then into a suitable power outlet.
3. Ensure all connections are secure before powering on the device.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

- **Power On:** Press the power button located on the device's interface panel. The power indicator light will illuminate.
- **Power Off:** Access the operating system's shutdown menu to perform a graceful shutdown. Alternatively, press and hold the power button for several seconds to force a shutdown (use only when necessary to prevent data loss).

5.2. Touchscreen Operation

The 10-point capacitive touchscreen offers smooth and responsive interaction, supporting multi-touch gestures and operation with gloves or wet hands.

10-Point Multi-Touch

Capacitive touch screen, smooth and responsive touch capabilities



Reducing



Zooming



Revolving



Writing



Erasing



Nudging



Image Description: An illustration demonstrating various 10-point multi-touch gestures such as reducing, zooming, revolving, writing, erasing, and nudging on the capacitive touchscreen.

- **Single Touch:** Tap to select items or activate functions.
- **Multi-Touch Gestures:** Use two or more fingers for actions like zooming, scrolling, or rotating, similar to standard tablet or smartphone interfaces.
- **Glove and Wet Touch:** The screen is designed to respond accurately even when operated with gloves or in wet conditions, suitable for industrial environments.

5.3. Operating System

The panel PC comes pre-installed with Windows 10 Pro. It also supports optional customization for Linux, Android, or other platforms based on project requirements.

Your browser does not support the video tag.

Video Description: A demonstration of the NORQIN industrial touchscreen panel PC running Windows 10 Pro, showcasing its responsive touch interface and various applications.

6. MAINTENANCE

6.1. Cleaning

Due to its IP65 rating, the front panel is resistant to dust and water. Use a soft, damp cloth to clean the screen and exterior. Avoid abrasive cleaners or harsh chemicals.

6.2. Heat Dissipation

The fanless aluminum design ensures silent operation and efficient heat dissipation, making it suitable for dusty or high-temperature industrial environments.

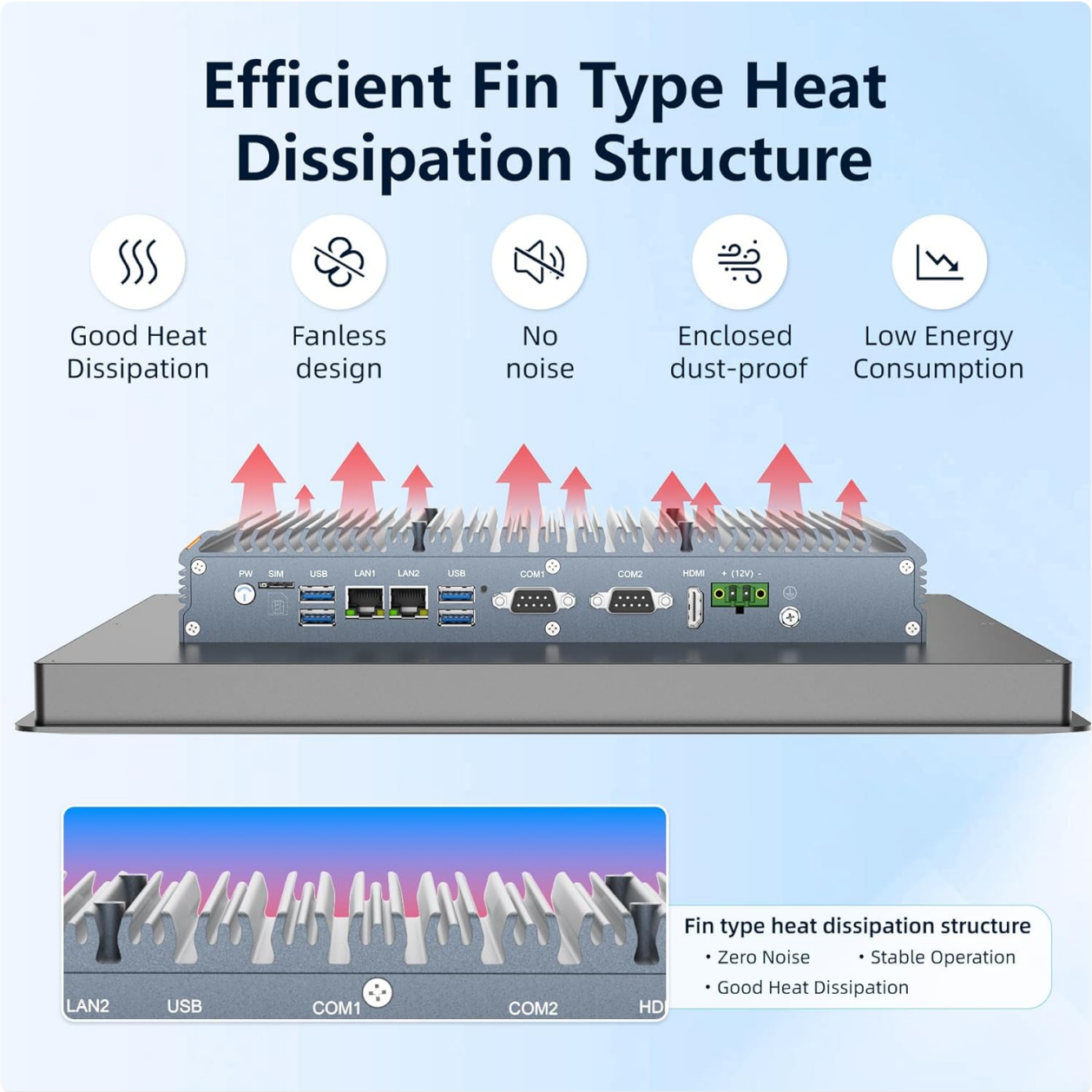


Image Description: A diagram illustrating the efficient fin-type heat dissipation structure of the panel PC, highlighting good heat dissipation, fanless design, no noise, enclosed dust-proof features, and low energy consumption.

6.3. Environmental Considerations

The device is designed to operate reliably in a wide temperature range, from -20°C to 60°C.



Image Description: A visual showing the industrial panel PC functioning in environments ranging from -20°C (low temperature) to 60°C (high temperature), demonstrating its durability in harsh conditions.

7. TROUBLESHOOTING

If you encounter issues with your NORQIN Industrial Panel PC, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter and cable are securely connected to both the device and the power outlet. Verify the power outlet is functional.
- **Unresponsive Touchscreen:** Restart the device. If the issue persists, check for any physical obstructions or damage to the screen.
- **Display Issues:** Check HDMI cable connections if using an external display. Restart the device.
- **System Instability:** Ensure the operating system is up-to-date. Check for any conflicting software or drivers.

For further assistance, please contact NORQIN customer support.

8. SPECIFICATIONS

Feature	Detail
Standing Screen Display Size	17 Inches
Screen Resolution	1280×1024 Pixels
Processor	2 GHz Celeron (J6412)
RAM	8 GB DDR4
Hard Drive	256 GB SSD
Operating System	Windows 10 Pro
Graphics Card	Integrated (4 GB RAM Size)
Wireless Type	802.11a/b/g/n/ac
USB 2.0 Ports	2
USB 3.0 Ports	4
Item Weight	10.38 pounds
Product Dimensions	15.91 x 2.72 x 13.43 inches
Hardware Platform	Linux, PC
Power Source	DC

9. WARRANTY AND SUPPORT

Your NORQIN Industrial Embedded Panel PC comes with a standard manufacturer's warranty. Please refer to the included Warranty Card for specific terms and conditions. For technical support, service, or inquiries, please visit the official NORQIN store or contact their customer service department.

[Visit the NORQIN Store for Support](#)