



P10J

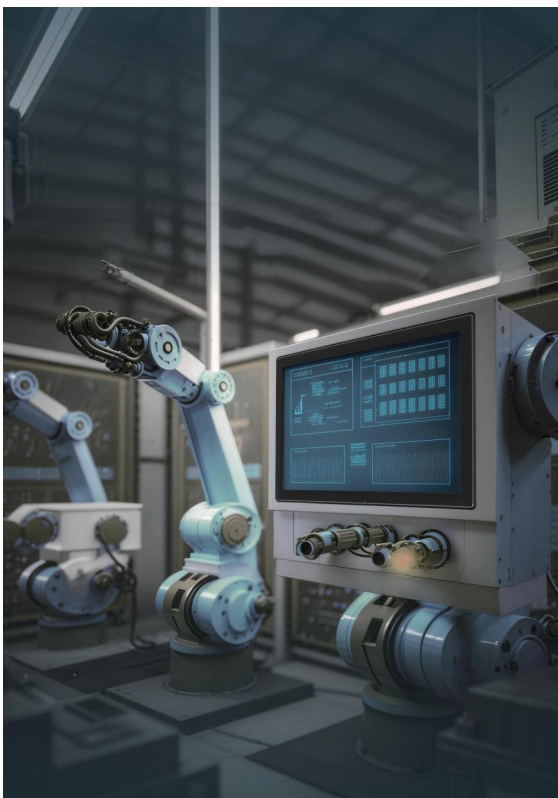
Panel PC





Panel PC P10J

Flexible Use, Powerful Functionality



The P10J is a reliable industrial panel PC powered by the Intel® N5100 processor, combining efficient performance, secure computing, comprehensive industrial I/O, and stable wireless connectivity. Its fanless rugged design and flexible deployment make it ideal for light industrial applications.

- Intel® N5100 processor with TPM 2.0 security
- 10.1-inch display for industrial HMI, 700 nits max brightness
- Comprehensive industrial I/O for seamless device integration
- Wi-Fi 5, Bluetooth 5.1, optional 4G connectivity
- Fanless rugged design with wide-temperature operation
- Supports embedded & wall installation



Durability	- Front panel IP65 compliant ±8kV contact discharge, ±15kV air discharge
Operating System	- Windows 11 Home - Optional Windows 11 Pro
Processor	Intel N5100 (4MB cache, up to 2.8GHz, 4 cores, 4 threads, TDP 6W)
Graphics	Intel® UHD Graphics
Memory	8GB LPDDR4x on board
Storage	128GB SATA SSD - Optional 256GB/512GB PCIe SSD
Display	10.1", HD (800x1280), 700 nits 10-point capacitive touch screen
Audio	Optional 2W speaker
Keyboard & Input	Power key x1
Network & Connectivity	- Intel® Wi-Fi 5 (802.11 ac) - Bluetooth® 5.1 - Optional 4G LTE - LTE-FDD: B1/3/5/7/8/20 - LTE-TDD: B40 - WCDMA: B1/5/8 - GSM: 900/1800 - China (China Unicom, China Telecom, China Mobile), Europe, the Middle East, Africa, Taiwan, Japan

Security	Integrated TPM2.0
I/O Interface	- SIM card x1 - USB 3.0 (Type-A) x2 - USB 2.0 (Type-A) x2 3.5mm audio jack x2 - HDMI 2.0 Type-A x1 10/100/1000 Ethernet (RJ45) x2 - Serial port (RS232: D-sub, 9-pin) x2 - Optional RS232 x1/RS485 x1 5.5mm DC in jack x1 (supports 12-24V) - SMA x2 (Optional SMA x3)
Battery & Charging	- AC adapter: 100-240V, 50Hz-60Hz, 48W (12V/4A) - Separate RTC 3V/220mAh
Environment	- Operating temperature: -20°C to 60°C (-4°F to 140°F) - Storage temperature: -30°C to 70°C (-22°F to 158°F) - Humidity: 95% (non-condensing)
Dimension	257.2 mm (L) × 170 mm (W) × 45.95 mm (H)
Weight	1.2 kg
Accessories	- Standard: Adapter, Hook assembly, Wi-Fi antenna - Optional: 4G antenna
Warranty	One-year limited warranty standard

1. Please contact your sales representative for feature availability.
2. Battery life data is provided by Emdoor's laboratory. Default test conditions: 300 nits display brightness, 30 cm/70 dB sound level. Actual results may vary depending on test environments and methods.
3. Certified to MIL-STD-810H and IP standards. For specific test items and methods, please refer to the latest official test report.
4. Body dimensions and weight are measured by Emdoor's laboratory. Variations may occur due to measurement methods and manufacturing processes.
5. All product images, specifications, user interface, and features are for reference only and may vary by production batch or other factors. All information is subject to change without prior notice.

ACCESSORIES

Standard



Adapter



Hook Assembly



Wi-Fi antenna



4G antenna

Optional

CONTACT US

Shenzhen Emdoor Information Co., Ltd. (Stock Code: 001314)

Tel: (+86) 400-830-4882

Web: www.onerugged.com

Email: inquiry@onerugged.com

Address: Emdoor Building, No.8 Guangke 1st Road, Pingshan District, Shenzhen

