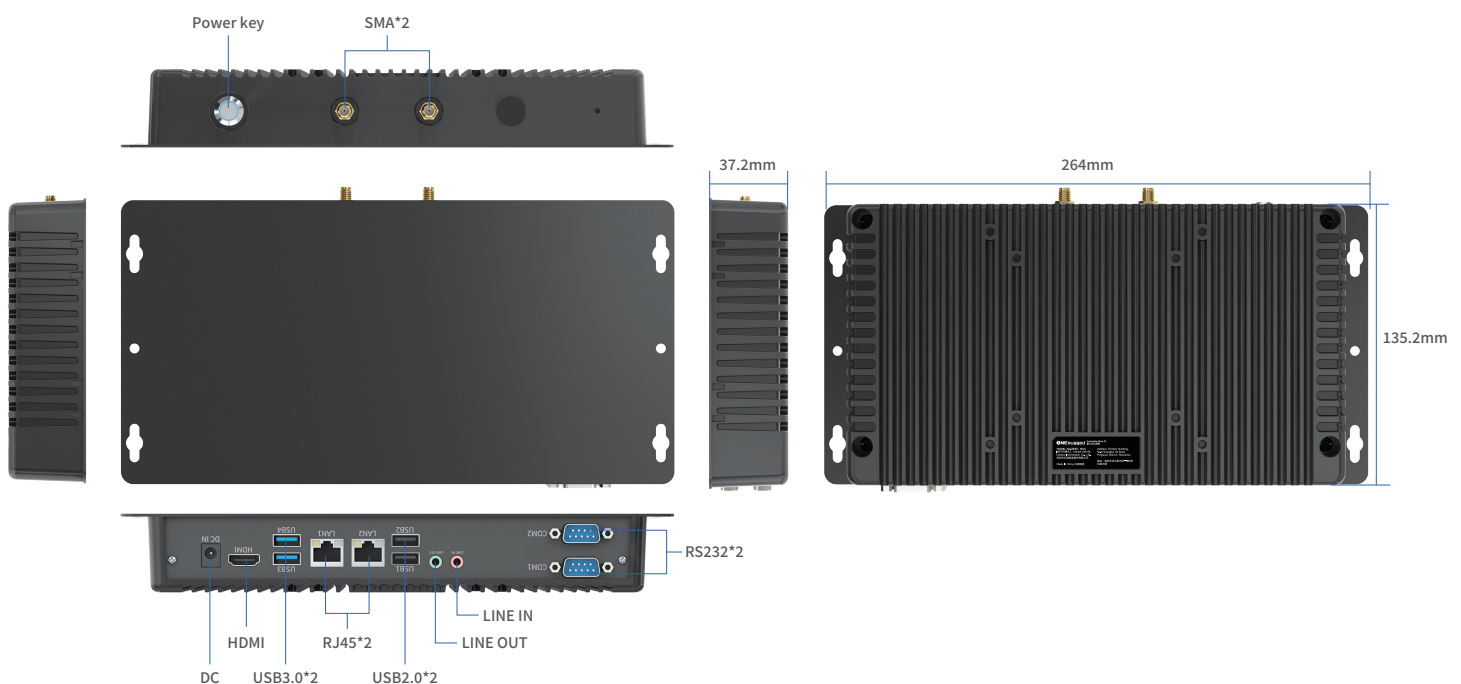




B10J

Embedded Box PC



B10J Embedded Box PC

Balanced Power. Total Control.



Powered by the Intel® Processor N5100, the B10J comes standard with 8 GB RAM and a 128 GB SSD. With full industrial I/O, Wi-Fi 5, optional 4G, wide-temperature operation, and a fanless rugged design, it delivers dependable 24/7 performance for a wide range of industrial applications—a cost-effective industrial PC choice.

- Intel® Processor N5100 + TPM 2.0 enterprise-grade hardware security
- Standard 8 GB + 128 GB, M.2 slot for flexible expansion
- Full industrial I/O: Gigabit Ethernet / serial / USB / HDMI
- Wi-Fi 5 + Bluetooth 5.1, optional 4G with triple-antenna design
- Wide temperature & voltage, anti-interference, OVP protection, 24/7 operation
- Fanless and rugged chassis; panel, wall, and desk-top mounting for rapid deployment
- Ideal for production data collection, fleet management, self-service kiosks, and more



Durability	- Front Panel IP65 compliant ±8kV contact discharge, ±15kV air discharge	Battery & Charging	- AC adapter: 100–240V, 50Hz–60Hz, 48W (12V/4A) - Separated 3V/220mAh RTC
Operating System	- Windows 11 Home - Optional Windows 11 Pro	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)
Processor	Intel N5100 (4MB cache, up to 2.8GHz, 4 cores, 4 threads, TDP 6W)	Dimension	264 mm (L) × 135.2 mm (W) × 37.2mm (H)
Graphics	Intel® UHD Graphics	Weight	1100g
Memory	8GB LPDDR4x on board	Accessories	- Standard: Adapter, Hook, Antenna(Wi-Fi) - Optional: Antenna(4G)
Storage	128GB SATA SSD - Optional 256GB/512GB PCIe SSD	Warranty	One–year limited warranty standard
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, Middle East, Africa, Taiwan, Japan		
Security	Integrated TPM 2.0		
I/O Interface	- SIM card x1 - USB 3.0 (Type–A) x2 - USB 2.0 (Type–A) x2 3.5mm audio jack x2 - HDMI 2.0a (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 (support 12–24V) - SMA x2 (optional SMA x3)		

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



Antenna (Wi-Fi)



Antenna (4G)

CONTACT US

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Emdoor Info (Stock Code: 001314) — Leading A–Share Listed Company Feb.2025_V1