

EM-I17J (EX)

Explosion-Proof Rugged Tablet PC

Purpose-built explosion-proof safety



- Windows
- IP65
- GNSS
- High-capacity battery
- Bluetooth
- Camera
- 4G
- WiFi
- 2D
- NFC



11 2G Ex ib IIC T4 Gb

Performance

- Intel Jasper Lake processor Celeron N5100
- 10.1 inch IPS screen, 1920x1200 TFT
- 10-point capacitive touch

Communication

- Extension interface (3 choose 1, RJ45, DB9, USB Type-A)
- Dual-band WiFi, Bluetooth 5.0, support 4G mobile network
- Efficient file transfer rely on advanced USB Type-A/Type-C 3.0/3.1 I/O port
- Optional high performance 2D imager designed to data capture

Product Six Views



* All technical data, specification and performance figures subject to change without notice.

Specification Parameter

Basic parameters	
Dimension	274.9 x 188.7 x 23.1mm
Weight	Device unit 1140g
Device Color	Black
LCD	10.1 inch FHD 16:10, 1920x1200, 400 nits, Optional, HD 16:10, 1280x800, 700 nits
Touch Panel	10 point capacitive touch screen
Camera	Front 5.0MP, Rear 8.0MP
I/O	USB3.0 x 1 (USB A port, HOST data transmission), Type C 3.1 x 1 (Charging and Data transmission, Full function Type-C), Φ3.5mm standard earphone jack x 1, HDMI 2.0a Mini x 1, Three in one card holder (Micro SD card, up to 512GB; Nano SIM x 1) 12PIN Pogo Pin x 1
Extension interface (3 choose 1)	RJ45 network port x 1 (10/100M adaptive) Standard, DB9 serial port x 1 (RS232), USB 2.0 Type-A x 1
Power	PD Fast Charge Adapter +Type-C Data Cable (1m)

Performance parameter	
CPU	Intel® Celeron® Processor N5100
OS	Windows 11/10
RAM	8GB
Storage	128GB

Battery	
Capacity	5000mAh/7.6V
Type	Removable Li-polymer battery
Endurance	8hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default)

Network connections	
WIFI	WIFI 802.11(a/b/g/n/ac) Dual frequency 2.4G+5.8G WIFI
Bluetooth	BT5.0 Transmission distance: 10m
4G	LTE FDD: B1/B3/B7/B8/B20, LTE-TDD: B40 WCDMA: B1/B5/B8, GSM:900/1800 Optional, EC25-AF, 750-VA, 750-VSA
GNSS	Support GPS , GLONASS

Reliability	
Operate Temperature	-20 °C ~ 60 °C
Store Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Rugged Feature	IP65 certified, MIL-STD-810G certified, Battery: UN38.3, MSDS, Air and Maritime Reporting, IEC62133
Drop Height	1.22m drop

Data Collection	
2D	Optional, Optical resolution: 5mil Scanning speed: 50 times /s
NFC	Optional, 13.56MHz, Support ISO/IEC 14443A/B/15693/18092/mifare protocols Card reading distance: 4cm

Accessories

(Standard)



Hand-strap



PD Fast Charge Adapter

(Optional)



Docking Charger



Car Charger



TP Resist film



Vehicle Mount



Quad charging

Application Range

Various modules and accessories can be selected to meet customers' application in various industries.



Outdoor Exploration



Manufacturing Industry



Energy industry



Transportation