

EM-I20J

Rugged Tablet PC

Get More, Speed Less



Performance

- Intel Celeron quad-core processor (up to 2.90 GHz)
- Windows 11 OS and 8GB RAM+128GB storage
- 12.2 inch FHD screen with 5-point capacitive touch

Communication

- 2.4G+5.8G Dual band WIFI
- High speed 4G/5G
- BT 5.0 fast transmission

Features

- Choose 1 from 4 modules (2D scan engine, RJ45 Gigabit Ethernet, DB9 and USB2.0)
- Support GPS and GLONASS
- Equipped with multiple accessories, like docking charger, hand-strap, vehicle mount, carry handle

Reliability

- IP65 Waterproof and Dustproof
- Vibration & 1.22m drop resistant
- MIL-STD-810G certified

Product Six Views



Specification Parameter

Basic parameters	
Dimension	339.3 x 230.3 x 26mm
Weight	Device unit 1500g
Device Color	Black
LCD	12.2 inch FHD 16:10, 1920x1200, 650nits
Touch Panel	5 point G+G capacitive touch screen
Camera	Front 5.0MP Rear 8.0MP
I/O	USB 3.0 Type-A x 1, USB Type-C x 1, SIM Card x 1, TF Card x 1, HDMI 2.0a Mini x 1, 12PIN Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1
Power	AC100V ~ 240V, 50Hz/60Hz, Output DC 19V/3.42A
NFC	Optional, 13.56MHz, Support ISO/IEC 14443A/B/15693/18092/mifare protocols Card reading distance: 4cm
Fingerprint	Standard
Battery	
Capacity	7.4V/700mAh
Type	Built-in Li-polymer battery
Battery	
Capacity	7.4V/6300mAh
Type	Removable Li-polymer battery
Endurance	4hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default)

Performance parameter	
CPU	Intel® Celeron® Processor N5105
OS	Windows 11
RAM	8GB, Optional 16GB
Storage	128GB

Network connections	
WIFI	Wi-Fi 802.11(a/b/g/n/ac) Dual frequency 2.4G+5.8G
Bluetooth	BT5.0 Transmission distance: 10m
4G/5G (Optional)	LTE FDD: B1/B3/B7/B8/B20 LTE TDD: B40, WCDMA: B1/B5/B8 GSM: 900/1800 Optional 5G
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
Drop Height	1.22m drop

Extension modules (1 out of 4)	
Ethernet interface	RJ45 (Standard, 10/100M) x 1
Serial port	DB9 (RS232) x 1
USB2.0	USB 2.0 x 1
2D	Optional, Optical resolution: 5mil/ scan speed: 50 times/s

Accessories



Hand-strap



Carry handle



Vehicle Mount



Docking Charger



Removable Battery

Application Range

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



Outdoor Exploration



Manufacturing Industry



Finance



Animal Husbandry