

EM-I20A

Rugged Tablet PC

Performance to a new level



Performance

- Intel Core i5-1235U/i7-1255U processor
- Windows 11/10 OS and 16GB RAM+128GB storage
- 12.2 inch IPS Full HD screen with 10-point capacitive touch

Communication

- 2.4G+5.8G Dual band WIFI 6
- Optional high speed 5G
- BT 5.1 fast transmission

Features

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

Reliability

- IP65 Waterproof and Dustproof, Anti-Static
- 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 IPS 16:10, 1920×1200, 650nits
Touch Panel	10 point G+G capacitive touch screen
Camera	Front 2.0MP 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 2.1a 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, Card reading distance: 4cm
Fingerprint	Standard
RTC Battery	3V 210mAh

Battery	
Capacity	7.4V/700mAh
Type	Built-in Li-polymer battery

Battery	
Capacity	7.4V/6300mAh
Type	Removable Li-polymer battery
Endurance	4.5hrs (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)

Performance parameter	
CPU	Intel Core i5-1235U/i7-1255U
OS	Windows 11/ 10
RAM	16GB
Storage	128GB

Network connections	
WIFI	WiFi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax (2.4G+5.8G)
Bluetooth	BT5.1 Transmission distance: 10m
5G	5G SA&NSA: LTE FDD: B1/B3/B5/B7/B8/B20 LTE- TDD: B40 WCDMA: B1/B5/B8 GSM: B3/B8 N1/N3/N5/N7/N8/N20/N28/N38/N40/ N41/N71/N77/N78/N79
GNSS	Support GPS, Glonass, optional Beidou

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
Electrostatic Discharge	± 8kV contact discharge, ± 15kV air discharge

Extension modules (1 out of 4)	
Ethernet interface	RJ45 (Standard, 10/100/1000M) 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



Docking Charger



Hand-strap



Vehicle Mount



Carry handle



Removable Battery



Quad
charging

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