

EM-I20A

Rugged Tablet PC

Performance to a new level



Windows



IP65



GNSS



Dual-battery



Bluetooth



2D



NFC



4G



WIFI



Camera



Performance

- Intel Core i5-1235U/i7-1255U processor
- Windows 11 OS and 8GB RAM + 128GB storage
- 12.2 inch IPS Full HD screen with 10-point capacitive touch

Communication

- 2.4G/5.8G Dual band WIFI 6
- High speed 4G
- 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, 1920x1200, 650nits/280nits
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 1.4a x 1, 12pins 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
Fingerprint	SPI fingerprint (power on login)
Battery	
Capacity	7.4V/700mAh
Type	Built-in Li-polymer battery
Endurance	30mins (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)
Battery	
Capacity	7.4V/6300mAh
Type	Removable Li-polymer battery
Endurance	4hrs (50% volume sounds, 200 lumens brightness, 1080P HD video display by default)

Accessories



Docking Charger



Hand-strap



Vehicle Mount



Car Charge



Removable Battery



Carry handle

Application Range

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



Outdoor Exploration



Manufacturing Industry



Finance



Animal Husbandry

Performance parameter	
CPU	Intel Core i5-1235U/i7-1255U
OS	Windows 11, Optional Windows 10
RAM	8GB, Optional 16GB, Up to 64GB
Storage	128GB, Optional 256GB, Up to 512GB
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
4G (Optional)	LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8
GNSS	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 (10/100M) x 1, Support customized (10/100/1000M)
Serial port	DB9 (RS232) x 1
USB2.0	USB 2.0 x 1
2D	EM80, Optical resolution: 5mil/ scan speed: 50 times/s