



Product Feature:

- Support Windows 10/11
- Support GPS, Beidou, Glonass
- Optional NFC
- IP65 Grade
- Optional 5G
- Multiple extended function modules

Processor Solution:

Model	Performance Parameter
EM-I20J	Intel Celeron N5105 CPU Windows 11 8GB/16GB RAM 128GB (removable) ROM
Model	Performance Parameter
EM-I20A	Intel Core™ i5-1235U/i7-1255U CPU Windows 11/10 8GB/16GB RAM 128GB Max 512GB ROM

Specification

Basic Parameter	Dimension	339.3 x 230.3 x 26mm
	Weight	1500g
	Device Color	black
	LCD	12.2 inch FHD 16:10, 1920×1200, 650nits (EM-20J) 12.2 inch IPS 16:10, 1920×1200, 650nits (EM-I20A)
	Touch Panel	5 point G+G capacitive touch screen (EM-20J), 10 point G+G capacitive touch screen, optionally supports glove touch (EM-I20A)
	Camera	Front 5.0MP, Rear 8.0MP, with flashlight (EM-I20J) Front 2.0MP, Rear 8.0MP (EM-I20A)
	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 (EM-I20J), HDMI 2.0a Mini x 1 (EM-I20A), 12pins Pogo Pin x 1, Φ3.5mm standard earphone jack x 1, Φ5.5mm DC jack x 1
Battery	Power	AC100V ~ 240V, 50Hz/60Hz, DC 19V/3.42A/65W
	Capacity	7.4V/700mAh, 7.4V/6300mAh (EM-I20J/I20A)
	Type	Double Lithium-ion polymer battery
Communication	Endurance	4.5hrs+30min (EM-I20A), 4hrs+30min (EM-I20J)
	GNSS	GPS/Glonass (EM-I20J), GPS/Glonass, Optional GPS/Beidou/Glonass (EM-I20A)
	WIFI	2.4G+5.8G, WIFI 802.11(a/b/g/n/ac) (EM-I20J) 2.4G+5.8G, WIFI 6 802.11(a/b/d/e/g/h/i/k/n/r/r/u/ v/w/ac/ax) (EM-I20A)
	Bluetooth	BT 5.0 (EM-I20J), BT 5.0 (EM-I20A)
	4G/5G (Optional)	4G: LTE FDD: B1/B3/B7/B8/B20, LTE TDD: B40 WCDMA: B1/B5/B8, GSM: 900/1800, 5G SA&NSA: LTE-FDD: B1/B3/B5/B7/B8/B18/B19/B20/B28/B32 LTE-TDD: B34/B38/B39/B40/B41/B42 WCDMA: B1/B5/B8 N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78/N79, Optional 5G (EM-I20A)
Reliability	Operate Temperature	-20 °C ~ 60 °C
	Store Temperature	-30 °C ~ 70 °C
	Humidity	95% Non-Condensing
NFC	IP Grade	IP65
	Optional	13.56MHz, Card reading distance: 4cm
Expansion module (One out of five)	RJ45	10/100M Ethernet port x 1 (EM-I20J), 10/100M/1000M Ethernet port x 1 (EM-I20A)
	DB9	RS232 interface x 1
	USB	USB 2.0 x 1
	2D	Support, Optical resolution: 5mil/scan speed: 50 times/s

Accessory:



Docking Charger



Hand-strap



Carry handle



Removable Battery



Vehicle Mount



Stylus



Quad charging