



Återförsäljare av datorer från Emdoor Information Co Ltd

## EM-I20A

### Rugged Tablet PC

### Performance to a new level



Windows



IP65



GNSS



Dual-battery



Bluetooth



2D



NFC



4G/5G



WIFI



Camera



## 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, 1920x1200, 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,<br>SIM Card x 1, TF Card x 1,<br>HDMI 2.1a Mini x 1,<br>12PIN Pogo Pin x 1,<br>Φ3.5mm standard earphone jack x 1,<br>Φ5.5mm DC jack x 1 |
| Power            | AC100V ~ 240V, 50Hz/60Hz, Output DC 19V/3.42A                                                                                                                               |
| NFC              | Optional, 13.56MHz,<br>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,<br>1080P HD video display by default )                                                                                   |

## Accessories



Docking Charger



Hand-strap



Vehicle Mount



Carry handle



Removable Battery



Quad charging

## Application Range

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



Harvester



Timber transport



Land planning



Harvester

| 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<br>Transmission distance: 10m                                                                                                            |
| 5G                             | 5G SA&NSA:<br>LTE FDD: B1/B3/B5/B7/B8/B20 LTE-TDD: B40<br>WCDMA: B1/B5/B8 GSM: B3/B8<br>N1/N3/N5/N7/N8/N20/N28/N38/N40/<br>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/<br>scan speed: 50 times/s                                                                                  |