

# 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, 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, 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 )   |

## 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.



Outdoor Exploration



Manufacturing Industry



Finance



Animal Husbandry

| 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 (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  |