# Rugged Tablet PC

## EM-I20U



Windows · IP65 · GPS · Dual-battery · Bluetooth

1D · 2D · NFC · 4G · WIFI

## Functions

- Support for Win 7,  Win 10 system
- Intel® Core™ i5-8250U/i7-8550U, greatly improved performance
- Equipped with built-in 860mAh, detachable 6300mAh polymer lithium ion battery
- IP65 high protection level, in accordance with MIL-STD-810G
- Support GPS, Beidou, GLONASS, more accurate positioning
- Support 8 million pixel auto focus camera, easy to collect images and video information
- Support 1D/2D, NFC and other functional modules for free selection

## Product Six Views




* All technical data, specification and performance figures subject to change without notice.

# 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, 280nits |
| Touch Panel | 10 point G+G capacitive touch screen<br>Corning® Gorilla® Glass |
| 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 1.4a x 1,<br>12pins 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 |
| Fingerprint | SPI fingerprint (power on login) |
| **Battery (Built-in)** | |
| Capacity | 7.4V/860mAh |
| Type | Built-in Li-polymer battery |
| Endurance | 30mins ( 50% volume sounds, 200 lumens brightness, 1080P HD video display by default ) |
| **Battery (Hot-swappable)** | |
| Capacity | 7.4V/6300mAh |
| Type | Removable Li-polymer battery |
| Endurance | 5hrs ( 50% volume sounds, 200 lumens brightness, 1080P HD video display by default ) |

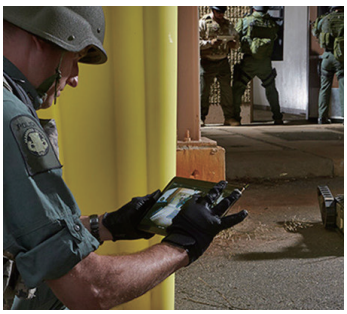
| Performance parameter | |
|---|---|
| CPU | Intel® Core™ i5-8250U/i7-8550U |
| OS | Windows 7/Windows 10 |
| RAM | 8GB/16GB |
| ROM | 128GB/256GB/512GB |
| **Communication** | |
| WIFI | WiFi 802.11 a/b/g/n/ac (2.4G+5.8G) |
| Bluetooth | BT4.2 |
| 4G (Optional) | LTE FDD: B1/B3/B7/B8/B20/B28A<br>WCDMA: B1/B8<br>GSM: B3/B8 |
| GNSS | Built-in GPS, Beidou, glonass |
| **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 |
| **Module extension (5 choose 1)** | |
| Ethernet interface | RJ45 (10/100M) x 1 |
| Serial port | DB9 (RS232) x 1 |
| USB2.0 | USB 2.0 x 1 |
| 1D | MOTO SE655E100R/Optical resolution: 5mil/<br>scan speed: 50 times/s |
| 2D | EM80/Optical resolution: 5mil/<br>scan speed: 50 times/s |

# Application Range

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



Outdoor Exploration



Military Equipment



Finance



Animal Husbandry