# EM-T17X(RTK)

## High-Accuracy GNSS Rugged Tablet PC

EM-T17X

# Precise positioning, Professional fit

Android | IP65 | High-Accuracy GNSS | High-capacity battery | Bluetooth

Camera | 4G | WIFI | 2D | NFC

## Performance

- Android 12/GMS OS and 8GB RAM+128GB storage
- 10.1 inch IPS screen, 1920x1200 TFT
- 10-point capacitive touch

## Features

- Front 5.0MP + Rear 13.0MP, autofocus with flashlight
- RTK high-precision positioning function, multi-satellite and multi-frequency, realizing centimeter-level positioning
- User-friendly buttons designed for efficient action

## Communication

- Extension interface (3 choose 1, RJ45, RS232, USB Type-A)
- Upgrade BT 5.2, fast and more stable
- Optional high performance 2D imager designed to data capture

## Reliability

- Enhanced rugged corners withstand shock and impact
- IP65 Waterproof and Dustproof, MIL-STD-810H certified
- Removable 10000mAh battery & New battery-free working mode

## Product Six Views

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

# Specification Parameter

| Basic parameters | |
|---|---|
| Dimension | 274.9*188.7*23.1mm (GNSS antenna: Diameter 27.5mm, length 113mm) |
| Weight | TBD |
| Device Color | black |
| LCD | 10.1 inch TFT 16:10, 1920×1200, 700nits |
| Touch Panel | 10 point capacitive touch screen |
| Camera | Front 5.0MP Rear 13.0MP |
| I/O | USB 2.0 Type-A x 1,<br>USB Type-C x 1,<br>SIM Card x 2, TF Card (Three in one card holder), 12PIN Pogo Pin x 1,<br>Φ3.5mm standard earphone jack x 1 |
| Extension interface (3 choose 1) | RJ45 (10/100M) x 1 (standard),<br>DB9 (RS232) x 1,<br>USB 2.0 Type-A x 1 |
| Power | USB Type-C interface, supports fast charging PE+2.0, maximum power of 18W, maximum 9V/2A |

| Performance parameter | |
|---|---|
| CPU | ARM (OCTA Core) |
| OS | Android 12/GMS |
| RAM | 8GB |
| Storage | 128GB |

| Battery | |
|---|---|
| Capacity | 10000mAh/3.8V |
| Type | Removable Li-polymer battery |
| Endurance | 7 hours (connect to WiFi, maximum backlight brightness, RTK positioning test) |

| Network connections | |
|---|---|
| WIFI | 802.11 a/b/g/n/ac (2.4G+5.8G) |
| Bluetooth | BT5.2<br>Transmission distance: 10m |
| 4G | LTE FDD: B1/B2/B3/B4/B5/B7/B8/B17/B20/B28A/B28B,<br>WCDMA: B1/B2/B5/B8, GSM: B2/B3/B5/B8, LTE-TDD:<br>B38/B39/B40/B41 |
| GNSS | BDS: B1I、B2I、B3I, GPS: L1C/A、L2P(W)、L5<br>GLONASS: L1、L2, Galileo: E1、E5b、E5a<br>QZSS: L1、L2、L5 , Single-point positioning: 2.5m<br>RTK:<br>Horizontal: 0.8 cm + 1 ppm Vertical: 1.5 cm + 1 ppm |

| Reliability | |
|---|---|
| Operate Temperature | -20 ℃ ~ 60 ℃ |
| Store Temperature | -30 ℃ ~ 70 ℃ |
| Humidity | 95% Non-Condensing |
| Rugged Feature | IP65 certified, MIL-STD-810H certified |
| Drop Height | 1.22m drop |

| Data Collection | |
|---|---|
| 2D | Optional |
| NFC | 13.56MHz,<br>Support ISO/IEC 14443A/B/15693/18092/mifare protocols<br>Card reading distance: 4cm |

# Accessories

Docking Charger

Hand-strap

Removable battery

Fast charging adapter

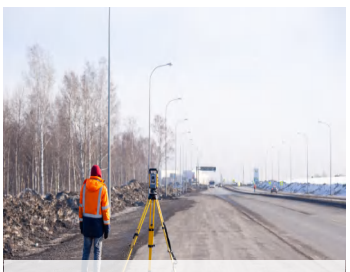
Vehicle Mount

# Application Range

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

Forestry

Agriculture



Engineering mapping

Power inspection

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