

TW-170J (EX)

Explosion-Proof Rugged Tablet PC

Purpose-built explosion-proof safety



- Windows
- IP 65
- GNSS
- High-capacity battery
- Blue tooth
- Camera
- 4G
- WiFi
- 2D
- NFC



II 3G Ex ic op is IIC T4 Gc
II 3D Ex ic op is IIIB T130°C Dc

Performance

- Intel Jasper Lake processor Celeron N5100
- 10.1 inch IPS screen, 1920x1200 TFT
- 10-point capacitive touch

Features

- Front 5.0MP + Rear 8.0MP, autofocus with flashlight
- Symmetric speakers. More immersive, more clear.
- User-friendly buttons designed for efficient action

Communication

- Extension interface (3 choose 1, RJ45, DB9, USB Type-A)
- Dual-band WiFi, Bluetooth 5.0, support 4G mobile network
- Efficient file transfer rely on advanced USB Type-A/Type-C 3.0/3.1 I/O port
- Optional high performance 2D imager designed to data capture

Reliability

- Enhanced rugged corners withstand shock and impact
- IP65 Waterproof and Dustproof, MIL-STD-810G certified
- Removable 5000mAh battery & New battery-free working mode
- Approved ATEX 2/22 Zone explosion-proof certification for use in potentially explosive and hazardous environments.
- Certified by CECP, significantly improving the energy efficiency ratio and energy saving performance.

Product Six Views



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

Specification Parameter

| Basic parameters | |
|----------------------------------|---|
| Dimension | 274.9 x 188.7 x 23.1mm |
| Weight | Device unit 1140g |
| Device Color | Black |
| LCD | 10.1 inch FHD 16:10, 1920x1200 , 400 nits, Optional, HD 16:10, 1280 x800, 700 nits |
| Touch Panel | 10 point capacitive touch screen |
| Camera | Front 5.0MP , Rear 8.0MP |
| I/O | USB3.0 x 1 (USB A port, HOST data transmission), Type C 3.1 x 1 (Charging and Data transmission, Full function Type-C) , Ø3.5mm standard earphone jack x 1, HDMI 2.0a Mini x 1, Three in one card holder (Micro SD card, up to 512GB; Nano SIM x 1) 12PIN Pogo Pin x 1 |
| Extension interface (3 choose 1) | RJ45 network port x 1 (10/100M adaptive) Standard DB9 serial port x 1 (RS232) , USB 2.0 Type-A x 1 |
| Power | AC100V ~ 240V, 50Hz/60Hz, Output Type-C 1 2V/ 4A EU |

| Performance parameter | |
|-----------------------|---------------------------------|
| CPU | Intel® Celeron® Processor N5100 |
| OS | Windows 11/10 |
| RAM | 8GB |
| Storage | 128GB |

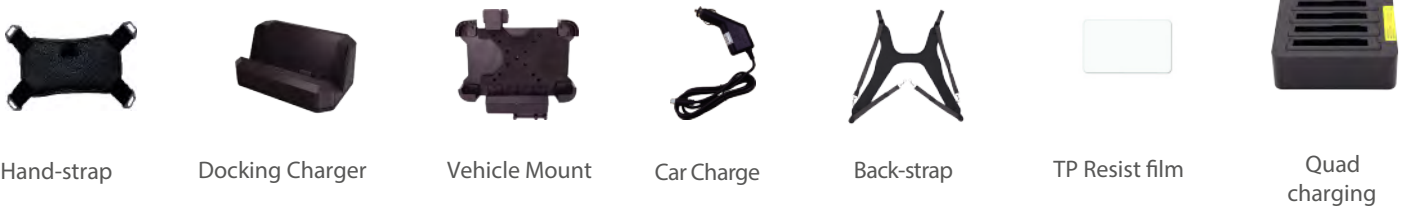
| Battery | |
|-----------|---|
| Capacity | 5000mAh/7.6V |
| Type | Removable Li-polymer battery |
| Endurance | 8hrs (50% volume sounds, 50% screen brightness, 1080P HD video display by default) |

| Network connections | |
|---------------------|--|
| WIFI | WIFI 802.11(a/b/g/n/ac) Dual frequency 2.4G+5.8G WIFI |
| Bluetooth | BT5.0 Transmission distance: 10m |
| 4G | LTE FDD: B1/B3/B7/B8/B20, LTE-TDD: B40 WCDMA: B1/B5/B8, GSM: 900/1800 Optional, EC25-AF, 750-VA, 750-VSA |
| GNSS | Support GPS , 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 , Battery: UN38.3, MSDS, Air and Maritime Reporting, IEC62133 |
| Drop Height | 1.22m drop |

| Data Collection | |
|-----------------|---|
| 2D | Optional , Optical resolution: 5mil Scanning speed: 50 times /s |
| NFC | Optional , 13.56MHz, Support ISO/IEC 14443A/B/15693/18092/mifare protocols Card reading distance: 4cm |

Accessories



Application Range

Various modules and accessories can be selected to meet customer

requirements' application in various industries.

