



# HUGEROCK T71L

## RUGGED TABLET PC

7 Inch Full Rugged Ultra-bright FHD Mobile Computer

T71L Hugerock rugged tablet PC, tough appearance, is with 7" industrial-grade, 2200cd/m<sup>2</sup> full-view display, toughened glass TP, and also aero-grade titanium alloy material frame. It meets MIL-STD-810G/Method516.6/ProcedureIV and military standard. And it can withstand up to a 1.5m drop and 2 ton shock pressure test. While, it also comes with a suite of integrated features, which is high-integration, high-performance, high-reliability, high-flexibility. Also it goes with a long-life 10000mAh battery, sunlight-readable, and operating under extreme low temperature.



All-mode  
Full Bands



10000mAh  
Safety Battery



1.5m  
Drop-proof



5MP/13MP  
Camera



GNSS  
GPS+Beidou+Glonass  
+AGPS+SBAS



HUGEROCK-T71L  
tools for industrial

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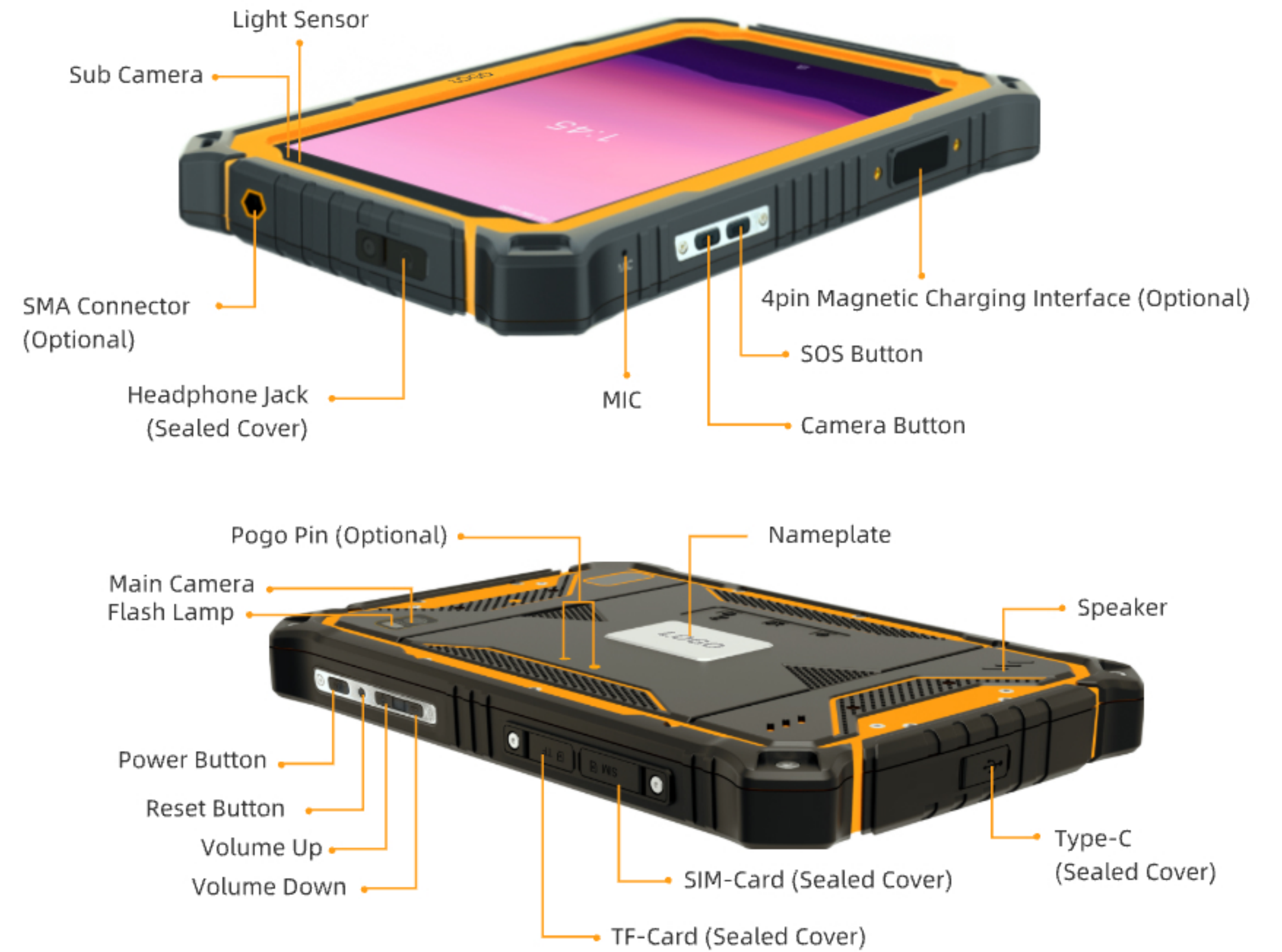
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# APPEARANCE



# SPECIFICATION

## T71L

| Hardware              |                                                                                   | Communications & Networking     |                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                   | ARM Cortex A73 Octa-core (2.0GHz)                                                 | Phone Call                      | GSM /WCDMA/VoLTE                                                                                                                                                                                                                          |
| GPU                   | ARM Mali-G72 MP3                                                                  | 2G                              | GSM/EDGE/GPRS/WAP                                                                                                                                                                                                                         |
| RAM                   | 6GB                                                                               | 2G Band                         | GSM (B2/3/5/8)                                                                                                                                                                                                                            |
| Internal Memory       | 64GB                                                                              | 3G                              | WCDMA 3.75G (HSDPA+42.2Mbps, HSUPA+11.5Mbps)                                                                                                                                                                                              |
| External Memory       | Micro SD card ( T-FLASH card), max 1TB                                            | 3G Band                         | WCDMA(B1/2/5/8)                                                                                                                                                                                                                           |
| Main Camera           | 13.0MP(AF)with flash led                                                          | 4G                              | FDD: 150Mbps down, 50Mbps UP TDD: 150Mbps , 50Mbps up                                                                                                                                                                                     |
| Sub Camera            | 5.0MP                                                                             | 4G Band                         | TD-LTE (B38/39/40/41); FDD LTE (B1,B2,B3,B4,B5,B7,B8,B12,B17,B20,B28)                                                                                                                                                                     |
| Battery               | 10000mAh                                                                          | WI-FI                           | Dual-band WIFI(2.4GHz/5Ghz)single stream 802.11 a/b/g/n/ac                                                                                                                                                                                |
| Display               | 7 inch IPS/AFFS 1080*1920 FHD industrial 2200nit Sunlight Readable                | BT                              | 5.0 Low Energy(LE)                                                                                                                                                                                                                        |
| Touch Panel           | Capacitive/frosted tempered film supports glove touch/spray/active capacitive pen | Industrial & Reliability Design |                                                                                                                                                                                                                                           |
| IO/Sensor/Navigation  |                                                                                   | Shake-proof                     | 1-19Hz/1.0mm; 19-200Hz/1.0g                                                                                                                                                                                                               |
| SIM Card              | 1.8/3.3V SIM card                                                                 | Dropproof /IK                   | MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05                                                                                                                                                                                  |
| TF Card               | Micro SD card ( T-FLASH card), max 1TB                                            | Waterproof                      | Class 7 (IEC 60529)                                                                                                                                                                                                                       |
| Headphone             | 3.5mm (CTIA)                                                                      | Dustproof                       | Class 6 (IEC 60529)                                                                                                                                                                                                                       |
| Charging interface    | Type-C*1                                                                          | Reliability                     | MTBF>5000h; MTTR<0.5h                                                                                                                                                                                                                     |
| Data interface        | USB Type-C (OTG)*1                                                                | Operating temperature           | -20°C to 55°C                                                                                                                                                                                                                             |
| Gravity sensor        | support                                                                           | Storage Temperature             | -40°C to 80°C                                                                                                                                                                                                                             |
| Magnetic Field Sensor | support                                                                           | RH                              | 5% to 95%                                                                                                                                                                                                                                 |
| Motion sensor         | support                                                                           | Operating Altitude              | Max: 4,500m (15,000 feet)                                                                                                                                                                                                                 |
| Gyroscope sensor      | support                                                                           | Certification/OS/Software       |                                                                                                                                                                                                                                           |
| Light-sensor          | support                                                                           | Certification                   | 3C/FCC/CE/ROHS/IP67 (IEC 60529)                                                                                                                                                                                                           |
| Acceleration sensor   | support                                                                           | Language                        | English, Spanish, Portuguese(Brazil), Portuguese(Portugal), Italian, German, Dutch, French, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew, Simplified, Chinese, Chinese Traditional, etc |
| Charger               | 5.0V 2A-10W                                                                       | OS                              | Android 9/10/11/13 (Continuous updates)                                                                                                                                                                                                   |
| Navigation            | GPS+Beidou+Glonass+AGPS+SBAS (EPO 2.5m)                                           | Package/Warranty terms/OEM      |                                                                                                                                                                                                                                           |
| Appearance            |                                                                                   | Warranty                        | 24 Months (12-month Battery Warranty)                                                                                                                                                                                                     |
| Size                  | 202*131*21mm (L×W×H)                                                              | OEM/ODM                         | Support                                                                                                                                                                                                                                   |
| Weight                | 700g                                                                              | Package                         | USB cable/Charger/Introduction manual/Screen protector/Packing box(Can be customized logo)/Precautions Card/ Hand strap/Toolkit(optional)                                                                                                 |
| Color & Material      | Black&yellow; Black&green; Black&Gray (PC+ABS+TPU)                                |                                 |                                                                                                                                                                                                                                           |

# OPTIONAL MODULES & ACCESSORIES



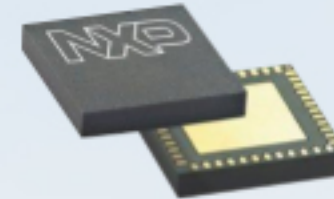
RFID

## RFID Reader Optional LF HF UHF



### 125K LF RFID Module

Support: ID Card(8HEX-10D)EM4100, 4001, TK4100, EM4305  
Read Distance 2-5cm(Optional HID card support)



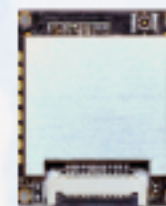
### 13.56M HF RFID or NFC Module

13.56M HF Support ISO14443A/B/ISO15693 Readable/Data Transmission/Card Emulation/Encryption  
Authenticated  
Read Distance: 2-5cm



### 134.2K LF RFID Module

Operation Frequency: 134.2kHz  
Support Agreement: ISO11784/5  
Read Distance: 2-5cm  
Working Mode: FDX-B(Full-duplex Communication)



### UHF RFID Module/Antenna

Air Interface Protocol: EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C  
operating Spectrum Range: 902Mhz - 928Mhz, 865MHz - 868MHz(Optional)  
Output range: 0-26 dBm  
Output accuracy: +/- 1dB  
Output power level: +/- 0.2dB  
Tag recognition is sensitive and stable.  
Read Distance : 2-3m(2dB Antenna Test Card E41)

**\*\*Only one RFID module can be selected**

# OPTIONAL MODULES & ACCESSORIES

OPTIONAL

RS232 Serial port module  
&  
M8 5pin to 9pin Connector cable



RS232 Serial port  
module

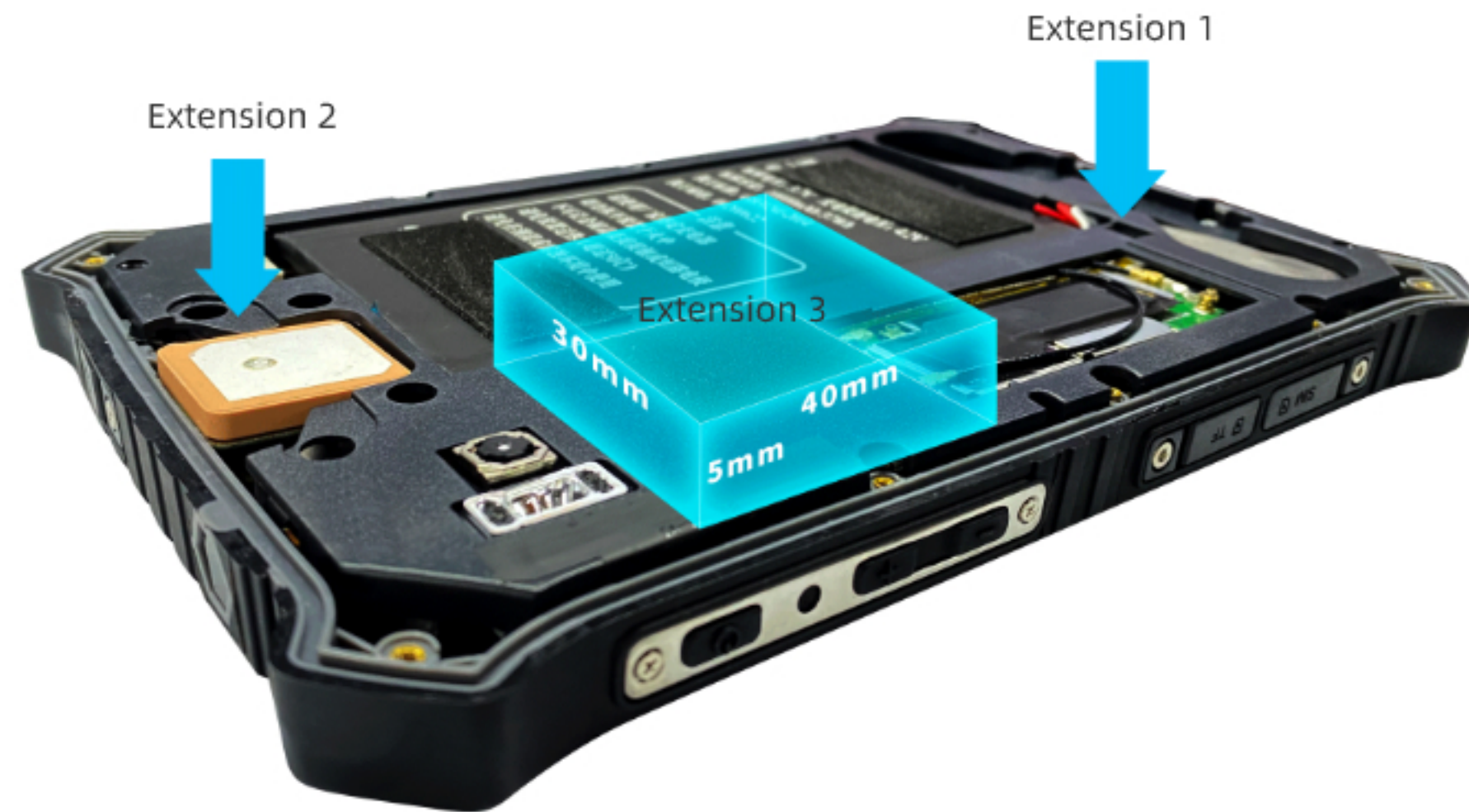
+



M8 5pin to 9pin  
Connector cable



# OPTIONAL MODULES



|                                      |                                                                                                                                                                                                             |                                                                                                                                                    |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extension 1</b>                   | NFC module                                                                                                                                                                                                  |                                                                                                                                                    |
| <b>Extension2 Positioning module</b> | High-precision multi-mode GNSS positioning module(meter-level RTD)<br>High-precision multi-mode dual- frequency module (centimeter level RTK)<br>High-precision multi-mode full- band module (mm-level RTK) |                                                                                                                                                    |
| <b>Extension 3</b>                   | <b>UHF module</b>                                                                                                                                                                                           | (M500 ASTM) + Antenna<br>(M500 EN) + Antenna                                                                                                       |
|                                      | <b>LF RFID module</b>                                                                                                                                                                                       | 125K LF ID card (8H-10D)<br>125K LF ID card (10D)<br>125K LF HID card module<br>134.2K LF animal tag module                                        |
|                                      | <b>HF RFID module</b>                                                                                                                                                                                       | 13.56M HF module (single protocol)<br>13.56M HF module (multi-protocol)                                                                            |
|                                      | <b>Port Module</b>                                                                                                                                                                                          | UART<br>RS232                                                                                                                                      |
|                                      | <b>Industrial-grade short-distance data communication module</b>                                                                                                                                            | Lora<br>ZigBee                                                                                                                                     |
|                                      | <b>Other customer supply modules</b>                                                                                                                                                                        | Need to meet the interface conditions : Powered by3.3V-1.5A/5V-1.5A,<br>UART Interface, interface level 3.3V/5V, GPIO 1 /electrical level 3.3V/5V. |