

# UT50

## Ruggedized Mobile Solutions

The UT50 uses industry-leading protection technology and a high brightness electromagnetic screen to overcome a variety of harsh environments. A variety of interfaces and extensions are available to enable a wide range of industry and engineering applications. The UT50 is your reliable partner to achieve your goals.



### 10.1 inch high brightness electromagnetic screen

The UT50 is equipped with a 10.1-inch high 800 lumens bright display, and it is clearly visible in the sun and easily overcomes a variety of harsh environments. The electromagnetic stylus can be configured to achieve precise touch of the device.

### High performance processor

With the 6th generation Intel Skylake Core i5 processor, it can reduce the rate of power consumption for the product while ensuring high processing power, and carry out multi-tasking efficiently.

### Dual battery design, uninterrupted power supply

Dual-battery power supply, hot-swappable design, help you achieve operational time, uninterrupted engineering work, users can replace the battery without shutting down the device.

### Built-in GNSS and other sensors

Standard GNSS positioning module supports Beidou/GPS/GLONASS multi-system positioning, built-in speedometer, compass, fingerprint sensor and other sensors to meet a variety of application scenarios.

### Front and rear-facing cameras

With front FHD camera and rear 8MP camera, users can easily take photos, video and organize video conferences.

### Unlimited possibilities

The product has a reserved expansion slot, the user can use it to expand RS232, long distance WIFI and QR Code scanning to expand your devices possible applications.

### Ultimate protection, solid as a rock

The UT50 is made of a magnesium alloy body, fully rugged design, the protection grade is up to IP68, resistance to 1.2m drop, and performance conforms to MIL-STD-810 G, MIL-STD-461F certification standards.

# Product Specification

| Physical              |                                         | Interfaces                  |                                     |
|-----------------------|-----------------------------------------|-----------------------------|-------------------------------------|
| Model                 | UT50                                    | I/O Ports                   | USB3.0 9-pin x 1                    |
|                       | 10.1" Fully Rugged Tablet               |                             | USB2.0 4-pin x 1                    |
| Processor             | Intel® Core™ Skylake i5-6200 processor  |                             | HDMI Type-A x 1                     |
|                       | 2.3GHZ up to 2.8GHZ(with turbo boost)   |                             | Audio Jack 3.5mm Headphone          |
|                       | 3MB Intel Smart Cache                   |                             | Mic-in Combo x 1                    |
| Operating System      | Microsoft™ Windows™ 10 Enterprise 64bit |                             | DC in Jack x 1                      |
| Memory                | 8GB RAM                                 |                             | I/O Expansion - Pogo 12-pin x 1     |
| Storage               | 128GB SSD                               |                             | Docking Connector - Pogo 35-pin x 1 |
| MicroSD Slot          | Yes                                     | Connectivity                |                                     |
| Dimensions Resolution | 10.1"                                   | Cellular                    | WWAN (Sierra)                       |
|                       | 1280x800                                |                             | Single SIM (Nano)                   |
| Display               | Sunlight-Viewable                       | Wireless LAN                | Wi-Fi™ 802.11 a/b/g/n/ac            |
|                       | 10 finger capacitive touchscreen        | LAN                         | Yes                                 |
|                       | Support wet hands and gloves operation  | Bluetooth                   | 4.2                                 |
| Camera                |                                         | NFC                         | Yes                                 |
| Rear                  | 8MP                                     | Power                       |                                     |
| Front                 | 2MP                                     | Battery                     | 2900mAh x 2                         |
| Sensors               |                                         | Technology                  | Hot Swap                            |
| GNSS                  | 72 ch u-blox M8N L1 GPS                 | Security                    |                                     |
|                       | GLONASS/BeiDou/Galileo                  | Security Features           | TPM V2.0                            |
| Accelerometer         | Yes                                     |                             | Kensington® Lock slot               |
| Ambient Light         | Yes                                     | Body                        |                                     |
| Proximity             | Yes                                     | Dimensions & Height         | Size: 294mm x 198mm x 21.5mm        |
| Gyroscope             | Yes                                     | Weight                      | 1.54kg (Including 2 batteries)      |
| Compass               | Yes                                     | Rugged Features             |                                     |
| Barometer             | No                                      | IP Rating                   | IP68                                |
| Hall                  | Yes                                     | Drop Tested                 | 1.2m drop resistant                 |
| Fingerprint           | Yes                                     | MIL-STD                     | MIL-STD-810G                        |
|                       |                                         |                             | MIL-STD-461F                        |
|                       |                                         | Environmental Specification |                                     |
|                       |                                         | Operating Temperature       | -20°C ~ 55°C                        |
|                       |                                         | Storage Temperature         | -40°C ~ 70°C                        |
|                       |                                         | Certifications              |                                     |
|                       |                                         | Certificates                | FCC, IC, CE, RoHS                   |