

CHCNAV

LT800H

GNSS RTK RUGGED TABLET



MAPPING &  
GEOSPATIAL

# RUGGED TABLET FOR PROFESSIONAL DATA COLLECTION

The LT800H RTK Android tablet is the ultimate solution for an efficient and productive mobile field workforce. With centimeter to decimeter positioning accuracy, this portable, rugged and versatile tablet is perfect for precision GIS data collection, forensic mapping, construction site development, environmental studies or landscaping.

Its 8.1" sunlight-readable display makes it easy to clearly view GIS data tables, complex vector and raster maps, and high-resolution images, even in direct sunlight and high-light areas. Its IP67-rated industrial design enables it to survive daily use in tough environments and conditions, making it a preferred choice for field crew with demanding requirements.

The LT800H brings precision GNSS positioning technology to any organization that needs to collect accurate and reliable data in the field, whether with a single operator or a large field crew.

## BRING ACCURACY AT YOUR FINGERTIPS

### Leverage the precision of full RTK GNSS networks

Featuring a high performance 1408 channel GPS, GLONASS, Galileo and BeiDou module and a superior tracking GNSS helix antenna, the LT800H RTK Android tablet delivers best-in-class centimeter to decimeter positioning accuracy in the most challenging environments. Its integrated 4G modem ensures seamless connectivity to GNSS RTK networks corrections.

## HIGH PERFORMANCE IN ALL ASPECTS

### Make data collection seamless

The LT800H RTK Android tablet increases productivity with a built-in 2.0 GHz octa-core processor that displays large maps and data sets without lag or slowdown. Its dual-SIM 4G modem provides fast and reliable connectivity between teams in the field. The sunlight viewable 8.1" Corning Gorilla Glass 3 IPS touchscreen offers extended durability in all environments. In addition, the LT800H capacitive multi-touch screen allows data capture with a stylus, gloves or wet hands to accommodate all working conditions.

## HIGH PORTABILITY AND VERSATILE

### GMS certified for extended compatibility

The LT800H's Google Mobile Service (GMS) and Android Enterprise Recommended (AER) certifications provide peace of mind in terms of software compatibility and optimal performance. You can be confident that the tablet is designed to work seamlessly with the most popular enterprise data collection applications available in the Google Play Store. The LT800H's certification ensures the highest levels of security and ease-of-use, making it ideal for easy integration into your existing IT ecosystem.

## KEEP YOUR DATA SECURE

### Industrial IP67 design and 9000mAh Li-ion battery

The LT800H Android RTK tablet is designed to withstand harsh environments and adverse weather conditions, ensuring that your data is always safe, no matter where you collect it. The LT800H also offers an impressive 8 hours of battery life, allowing your mobile workforce to focus on collecting data without interruption. Extended battery life means less downtime and more productive time in the field.



**CENTIMETER  
ACCURACY  
RUGGED TABLET**



**BRING ACCURACY AT YOUR  
FINGERTIPS**

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# SPECIFICATIONS

| System           |                                |
|------------------|--------------------------------|
| Operating system | Android 12.0 GMS certified     |
| CPU              | Advanced octa-core CPU 2.0 GHz |
| RAM              | 8 GB                           |
| ROM              | 256 GB                         |
| Extension        | Micro SD Card, up to 512GB     |

| GNSS Accuracies <sup>(1)</sup> |   |
|--------------------------------|---|
| Channel                        | 1408  |
| Constellation                  | GPS: L1C/A, L2C, L2P(Y), L5<br>GLONASS: L1, L2, L3*<br>Galileo: E1, E5a, E5b, E6*<br>BDS: B1I, B2I, B3I, B1C, B2a, B2b*<br>QZSS: L1C/A, L1C, L2C, L5<br>NavIC/ IRNSS: L5<br>SBAS: L1, L5* |
| RTK                            | 2 cm HRMS   |
| SBAS                           | < 1 m HRMS  |
| Autonomous                     | H: 1.5 m RMS   V: 2.5 m RMS   |
| PPK                            | H: 3 mm + 1 ppm RMS<br>V: 5 mm + 1 ppm RMS  |
| PPP                            | Support PPP-B2b, Galileo E6B-HAS<br>H: 10 cm   V: 20 cm (w/o external antenna)<br>H: 5 cm   V: 10 cm (w external antenna)<br>Initialization time: < 3 min                                 |

| Display           |  |
|-------------------|--|
| Size              | 8.1" touch screen                              |
| Resolution        | 1920 x 1200                                    |
| Brightness        | 600 cd/m <sup>2</sup>                          |
| Touch screen      | Capacitive multi-touch, 5 points               |
| Screen technology | IPS display panel<br>Corning® Gorilla® Glass 3 |

| Cameras     |            |
|-------------|------------|
| Front       | 8 MP       |
| Rear        | 16 MP      |
| Flash light | Integrated |

| Physical             |   |
|----------------------|---|
| Dust and water proof | IP67 (according to IEC 60529) for water and dust resistance, protected against temporary immersion at a depth of up to 1 m. |
| Shock                | 1.2 m fall onto concrete  |
| Humidity             | 5% - 95% RH (without condensation)  |
| Size (L x W x H)     | 215.5 mm x 130 mm x 14.5 mm (8.5 in x 5.1 in x 0.6 in)  |
| Weight               | 570 g (20.1 oz)   |
| Environment          | Operating: -20°C to +60°C (-4°F to +140°F)<br>Storage: -40°C to +70°C (-40°F to +158°F)                                     |
| Vibration            | MIL-STD-810H  |

| Communications |                              |
|----------------|------------------------------|
| SIM card type  | Nano-SIM card                |
| Wi-Fi          | Wi-Fi, IEEE 802.11a/b/g/n/ac |
| Bluetooth      | Bluetooth™ 5.1               |
| USB            | Type C, OTG                  |

|                  |   |
|------------------|---|
| Network 4G modem | GSM: 850/900/1800/1900<br>WCDMA: B1/B2/B4/B5/B8/B19<br>CDMA EVDO: BC0<br>TD-SCDMA: B34/B39<br>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/B20/B26/B28<br>LTE-TDD: B34/B38/B34/B39/B40/B41 |
|------------------|---|

| Battery                 |  |
|-------------------------|--|
| Li-ion battery capacity | Built-in non-removable battery 9,000 mAh |
| Voltage                 | 3.8 V                                    |
| Battery life            | 8 h <sup>(2)</sup>                       |
| Charging time           | 4.0 h<br>Fast charging: QC 3.0           |

| Internal sensors                                  |  |
|---|--|
| NFC; G-Sensor; Light Sensor; E-Compass; Gyroscope |  |

| Accessories  |  |
|--|--|
| <ul style="list-style-type: none"> <li>- Screen protector</li> <li>- Packaging box</li> <li>- Touch pen</li> <li>- Type-C USB cable</li> <li>- Helix antenna</li> <li>- Charger</li> </ul> |  |



\* All specifications are subject to change without notice.  
 \* Android™, Google Play and other marks are trademarks of Google LLC.  
 \* Bluetooth® is the trademark owned by Bluetooth SIG, Inc.  
 \* All optional parameters can't be changed after delivery.

(1) Autonomous and RTK accuracy are based on full GNSS constellations (GPS, Glonass, Galileo and BDS) availability, under clear unobstructed environment, multipath-free, standard satellite geometry and atmospheric conditions. Performances assume follow up of recommended general GNSS practices. Compliant, but subject to availability of BDS ICD, GLONASS, Galileo, QZSS and IRNSS commercial service definition. GLONASS L3, Galileo E6, Galileo E6 High Accuracy Service (HAS), BDS B2b and SBAS L5 will be provided through future firmware upgrade. (2) 25°C continuous data collection in RTK mode, 100% brightness.



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