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LT800H

GNSS RTK RUGGED TABLET

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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 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.

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.

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.

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CENTIMETER ACCURACY RUGGED TABLET

BRING ACCURACY AT YOUR FINGERTIPS

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 1TB

GNSS Accuracies [1]

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

Display

Size	8.1" touch screen
Resolution	1920 x 1200
Brightness	600 cd/m^2
Touch screen	Capacitive multi-touch, 5 points
Screen technology	IPS display panel 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) 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 WCDMA: B1/B2/B4/B5/B8/B19 CDMA EVDO: BC0 TD-SCDMA: B34/B39 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/ B12/B17/B18/B19/B20/B26/B28 LTE-TDD: B34/B38/B34/B39/B40/ B41

Battery

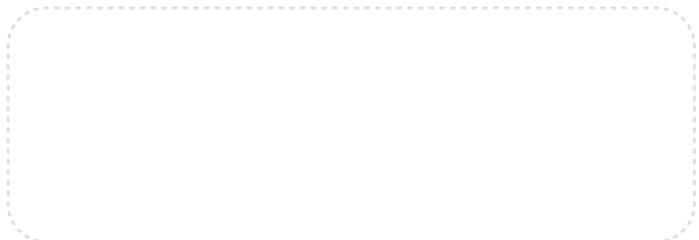|	
Li-ion battery capacity	Built-in non-removable battery 9,000 mAh
Voltage	3.8 V
Battery life	8 h [2]
Charging time	4.0 h Fast charging: QC 3.0

Internal sensors

NFC; G-Sensor; Light Sensor; E-Compass; Gyroscope

Accessories

- Screen protector
- Packaging box
- Touch pen
- Type-C USB cable
- Helix antenna
- Charger

CE FC

* All specifications are subject to change without notice.
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* Bluetooth® is the tradmark 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 andatmospheric 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 continous data collection in RTK mode, 100% brightness.