CHCNAV

LT800
RUGGED GNSS TABLET

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MAPPING &
GEOSPATIAL

RUGGED TABLET FOR MOBILE WORKFORCE

The LT800 is a rugged Android™ tablet designed to increase efficiency and productivity of mobile workforce in applications requiring meter-accuracy GNSS positioning and uninterrupted performance. Portable, rugged and versatile, it enables GIS data collection, environmental surveys, landscaping and other scenarios. Drop-proof up to 1.5 m on concrete, its IP67 rating ensures daily use in challenging environments to complete any job, regardless of weather conditions.

Featuring an 8.1-inch sunlight-readable IPS touchscreen, the LT800 is the ultimate tool for visualizing large data sets, images, and complex vector and raster maps in the field. Combined with GNSS receivers, it becomes an incredibly bright and powerful data collector and is Google GMS and AER certified for broad compatibility with any professional Android application.

SPECIFICATIONS

System

Operating system	Android 12.0 GMS certified
CPU	Advanced octa-core CPU 2.0 GHz
RAM	6 GB
ROM	128 GB
Extension	Micro SD card, up to 256 GB

GNSS Accuracies [1]

Channel	45
Constellation	GPS L1C/A, GLO L1, BDS B1, GLE E1
Autonomous	2~5 m HRMS

Display

Size	8.1" touch screen
Resolution	1920 x 1200
Brightness	600 cd/m^2 glare resistant, excellent sunlight readable screen
Touch screen	Capacitive multi-touch, 5 points
Screen technology	IPS display panel Corning® Gorilla® Glass 3

Camera

Front	8 MP
Rear	16 MP
Flash light	Integrated

Battery [2]

Li-ion battery	9000 mAh
Voltage	3.8 V
Battery life	12 h
Charging time	4.0 h Fast charging: QC 3.0

Physical

Dust and water proof	IP67
Shock	1.5 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	550 g (19.4 oz) with battery
Environment	Operating: -20°C to +60°C (-4°F to +140°F) Storage: -40°C to +70°C (-40°F to +158°F)

Communications

Wi-Fi	802.11 a/b/g/n/ac
Bluetooth	Bluetooth™ 5.1
USB	Type C, OTG (Support hot plug)
Network 4G modem (Built in 4G modem)	GSM: 850/900/1800/1900 WCDMA: B1/B2/B5/B8 FDD-LTE: Band1/Band3/Band4/Band5/Band7/Band8/Band17/Band20/Band28

Internal sensors

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

Accessories

- Screen protector
- Hard cover
- Touch pen
- Type-C USB cable
- Charger

* All specifications are subject to change without notice.
* Android™, Google Play and other marks are trademarks of Google LLC.
* Bluetooth® is the tradmark owned by Bluetooth SIG, Inc.
(1) Accuracy and reliability are determined under clear unobstructed conditions, multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. (2) Battery life is dependent on factors such as environment temperature, brightness, CPU service conditions…

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