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# LT800

## RUGGED GNSS CONTROLLER




MAPPING &
GEOSPATIAL

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# RUGGED CONTROLLER PROFESSIONAL DATA COLLECTION FOR

The LT800 is a rugged Android™ controller designed to increase the efficiency and productivity of mobile workforce in applications that require meter-level GNSS positioning and uninterrupted performance. Portable, rugged and versatile, it enables GIS data collection, environmental surveys, landscaping and other scenarios.

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

## HIGH PERFORMANCE IN ALL ASPECTS

**Make data collection seamless**

The LT800 Android controller 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 LT800 capacitive multi-touch screen allows data capture with a stylus, gloves or wet hands to accommodate all working conditions.

## HIGH-SENSITIVITY GNSS MODULE

**Robust, reliable, full constellation GNSS positioning**

The LT800 Android controller features a high-performance, high-sensitivity 45 channel GNSS module supporting GPS, Glonass, Galileo and BeiDou to deliver meter- level positioning accuracy in the most challenging environments.

## HIGH PORTABILITY AND VERSATILE

**GMS certified for extended compatibility**

The LT800's Google Mobile Service (GMS) and Android Enterprise Recommended (AER) certifications provide assurance of software compatibility and optimal performance. The controller is designed to work seamlessly with the most popular enterprise data collection applications available in the Google Play Store. The LT800's certification ensures the highest levels of security and usability, making it ideal for easy integration into existing IT ecosystems.

## KEEP YOUR DATA SECURE

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

The LT800 Android controller is built to withstand harsh environments and adverse weather conditions, ensuring that data is safe no matter where it is collected. The LT800 also offers an impressive 10 hours of battery life, allowing mobile professionals to focus on collecting data without interruption. Extended battery life means less downtime and more productive time in the field.

# 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 |

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

| Battery | |
|---|---|
| Li-ion battery | 9000 mAh |
| Voltage | 3.8 V |
| Battery life | 10 h (2) |
| Charging time | 4.0 h Fast charging: QC 3.0 |

| Physical | |
|---|---|
| Dust and water proof | IP67 |
| 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 | 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 @ 20dBm (eirrp) |
| Bluetooth® | Bluetooth™ 5.1, Power 10mW |
| USB | Type C, OTG |
| Network 4G modem (Built in 4G modem) | LTEFDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/B20/B26/B28 LTE TDD: B34/B38/B34/B39/B40/B41 Power max: 23dBm CA carrier aggregation mode is not supported |
| SIM card type | Dual nano SIM card |

## Internal sensors

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

## Accessories

- Screen protector
- Packaging box
- Stylus
- Type-C USB cable
- Charger

* All specifications are subject to change without notice.
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* 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) 25°C continous data collection, 100% brightness.

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WWW.CHCNAV.COM | MARKETING@CHCNAV.COM

CHC Navigation Headquarter
Shanghai Huace Navigation Technology Ltd.
577 Songying Road, Qingpu,
201703 Shanghai, China
+86 21 54260273

CHC Navigation Europe
Infopark Building, Sétány 1,
1117 Budapest, Hungary
+36 20 421 6430
Europe_office@chcnav.com

CHC Navigation USA LLC
6380 S. Valley View Blvd Suite 246
Las Vegas, NV 89118 USA
+1 702 405 6578

CHC Navigation India
409 Trade Center, Khokhra Circle,
Maninagar East, Ahmedabad,
Gujarat, India
+91 90 99 98 08 02