

# LT40



## KEY FEATURES

- *Rugged professional GIS Data Collector*
- *Light with smartphone form factor*
- *Android 4.4 operating system*
- *5.5" sunlight readable screen*
- *High-sensitivity GNSS for outstanding positioning performance*
- *Multiple integrated sensors*
- *8.0 megapixel camera*

## LT40 GIS Handheld Terminal Smartphone-inspired Android GIS Solution

LT40 GNSS handheld features smartphone-inspired mobile GIS solution with light and compact shape design, it is powered with Android operating system which offer users great familiarity to carry out the device operation.

Combining with high-sensitivity GNSS engine with GPS+GLONASS or GPS+Beidou(optional) signal tracking capability, LT40 can keep working even in the environment with obstacles like trees and buildings. Stable accuracy at 1-2 meter with SBAS or DGPS can also benefit every GIS professional to do asset management, data maintenance projects, etc.

### Rugged and Light

Weighing just 260g and measuring at 19mm thickness, the LT40 is far from the traditional data collector profile and must offer users better user experience for easy-to-use. Light and rugged, IP65 dust proof and waterproof rating enable LT40 can go wherever you go, even the harsh environment.

### Powerful and Versatile

Driven by high speed processor and mass memory, LT40 is perfect for implementation of GIS jobs. 4G cellular modem with Dual SIM and Dual Standby feature is also a big plus for data transmission and internet access during the GIS data collection. Multiple sensors are available integrated in LT40, like G-sensor, light sensor, E-compass, gyro, etc, which make LT40 very powerful and versatile. The 1D/2D barcode scanner version is also available

# Technical Specifications

## System

- Operating System: Android 4.4
- CPU: Quad core 1.6GHz
- RAM: 2GB
- Flash Memory: 16GB
- Memory extend: TF Card, Up to 32G

## GNSS

- Internal BDS+ GPS, SBAS supported
- Accuracy: Stand alone 2—5m (CEP)  
With SBAS 1—2m (CEP)
- CORS: 1m
- Cold Start: 27s
- Hot start: 1s
- Channel: 72

## Display

- Size: 5.5" sunlight readable screen
- Resolution: 1280\*720
- Bright: 430cd/m<sup>2</sup>
- Touchscreen: 5 points touch screen

## Camera

- Front: 2.0 megapixel camera
- Back: 8.0 megapixel camera
- Flash light: Support

## Physical

- Dust proof and waterproof: IP65
- Shock: survives a 1.2meter drop on to concrete
- Humidity: 5%RH - 95%RH
- Dimension: 165mm\*86mm\*19mm
- Weight: 260g (with battery, bar code accessory)
- Operating temperature: -20 °C to +60 °C
- Storage temperature: -40 °C to +70 °C

## Communications

- WiFi: 802.11 b/g
- Cellular Modem: TD-LTE, TD-SCDMA, EDGE, GSM
- Bluetooth: V4.0
- USB: Micro USB, OTG
- Bar code: 1D and 2D bar code scanner (optional)

## Electrical

- Li-ion battery: 4300mAh
- Voltage: 3.8V
- Battery life: 10h
- Charging time: 4h

## Sensors

- G-sensor: Support
- Light sensor: Support
- Distance sensor: Support
- E-compass: Support
- Gyroscope: Support

<sup>(1)</sup> Accuracy and reliability specifications may be affected by multi path, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices.

Specifications are subject to change without notice.

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