

# LT30TM

## Survey & Engineering

- Professional GPS, GLONASS engine for outdoor conditions
- SBAS, DGPS
- Windows Mobile 6.1/6.5 operation system
- Built-in 3G network modem, Bluetooth and WiFi connectivity
- 5 megapixel camera with auto-focus



LT30TM is a GIS handheld terminal with SBAS&DGPS enabled high-sensitivity GPS + GLONASS engine. Designed for efficient field work in the most demanding conditions, LT30TM features post-processing for better accuracy, sunlight readable VGA screen and up to 10 hours battery life.

The versatile functionality of LT30TM makes it meet the demands in various fields, like municipal projects, logistics and forestry. It is an ideal field computer with an affordable price for a large range of applications from GIS data collection and maintenance, agriculture field measurement, environmental control...

With an integrated voice and data modem, LT30TM offers advanced methods needed to access the Internet and exchange project files with your office. Wireless connection to external device such as a laser range finder or RTK receiver is simple with LT30TM's Bluetooth and Wi-Fi capability.

Compatible with field data collection software running on Windows Mobile 6.1/6.5 operation system, LT30TM is the solution for an easy-to-deploy GNSS handheld.

# ■ Technical Specifications

## GNSS Characteristics

- 72 channels with all in view simultaneously tracked satellite signals
  - GPS: L1
  - GLONASS: L1
  - SBAS: QZSS, WAAS, MSAS, EGNOS and GAGAN
- Tracking Sensitivity: -167 dBm
- Update Rate: 5 Hz
- Cold Start: < 26 s
- Hot Start: < 1.5 s
- Re-acquisition: < 1 s
- Advanced multi-path mitigation technology

## GNSS Accuracies <sup>(1)</sup>

- Stand Alone: 2.5 m RMS
- SBAS: 2 m RMS
- DGPS: 1.5 m RMS
- Post-processed: 20 cm RMS

## System Configuration

- Operating System: Windows Mobile 6.1/6.5
- 3.7" sunlight readable VGA screen
- 806 MHz processor with graphics accelerator
- Internal Memory: 512 MB
- External Memory: 16 GB
- Camera: 5 megapixel camera with auto-focus
- Multi-language supported

## Communications

- Network Modem: GSM 850/900/1800/1900 MHz
- Bluetooth®: V2.0
- Wifi: IEEE 802.11 b/g
- USB: Mini USB
- DB9 serial (optional)
- Built-in microphone and speaker
- NMEA 0183 output
- NFC (optional)

## Physical

- Size (L x W x H): 158 mm x 85 mm x 25 mm  
(6.3 in x 3.4 in x 1.2 in)
- Weight: 340 g (12 oz) with battery
- Environment
  - Operating: -20°C to +60°C (-4°F to +140°F)
  - Storage: -30°C to +70°C (-22°F to +158°F)
- Dust and Water Proof: IP65
- Shock and Vibration: 1.2 m (3.9 ft) fall onto concrete

## Electrical

- Li-ion Battery Capacity: 3000 mAh
- Operating Time<sup>(2)</sup>: Up to 10 h with GPS and backlight

## Package Content

- LT30TM GNSS handheld receiver
- Li-ion battery
- 8 GB Micro SD card
- USB data cable
- AC power adapter
- Stylus with strap

## Accessories (optional)

- Vehicle power adapter
- RS232 9-pin serial adapter
- External GNSS antenna
- External battery charger
- Carry case
- Range pole bracket

(1) Accuracy and reliability specifications may be affected by multipath, satellite geometry and atmospheric conditions. Performances assume minimum of 5 satellites, follow up of recommended general GPS practices. (2) Operating time varies based on temperature.

Specifications are subject to change without notice.



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