

LT30



KEY FEATURES

- *Rugged professional GPS/GIS Data Controller*
- *Windows Mobile 6.1 operation system*
- *3.7" VGA sunlight readable screen*
- *High-sensitivity GPS for outstanding positioning performances*
- *Built-in GPRS phone and data transmission*
- *Bluetooth and WLAN connectivity*
- *5.0 megapixel camera with autofocus*

LT30 GPS/GIS Handheld Terminal Professional Surveying & Mapping Solutions

LT30 is a cost-effective professional GPS/GIS handheld receiver with SBAS enabled high-sensitivity GPS. Designed for efficient field work in the most demanding conditions, LT30 features sharp VGA sunlight readable screen and up to 10 hours battery life.

Versatile Data Collector

Extremely affordable, LT30 is the ideal rugged field computer for a large range of applications from GIS data collection and maintenance, agriculture field measurement, environmental control...

Connectivity

With an integrated GPRS voice and data modem, LT30 offers advanced methods needed to access the Internet and exchange project files with your office. Wireless connection to external devices such as a laser range finder or RTK receiver is simple with LT30's Bluetooth and Wi-Fi capability.

Easy software integration

Compatible with field data collection software running on Windows Mobile 6.1, LT30 is the solution for an easy-to-deploy GPS handheld leaving you freedom of choice.



Technical Specifications

GNSS characteristics

- High-sensitivity GPS module
- 14-channel
 - GPS L1, CA code
- SBAS (WAAS, MSAS and EGNOS) support
- Tracking sensitivity: -159 dBm
- Update Rate: 1Hz
- Time to first fix
 - Cold Start < 45 s
 - Hot Start < 5 s
- Integrated geodetic GPS antenna
- MMCX external antenna connector

Performance specifications ⁽¹⁾

- Stand alone GPS: 3-5 m RMS
- With SBAS: < 2 m RMS

System configuration

- Windows Mobile 6.1 operating system
- 3.7" VGA sunlight readable screen
- 624 MHz processor with Graphics Accelerator
- Internal memory: 256 MB internal flash storage
- MicroSD/MicroSDHC expansion slot up to 16 GB
- 5.0 megapixel camera with autofocus

Communications

- GSM/GPRS (850/900/1800/1900 MHz) phone and data transmission
- Bluetooth V2.1 Class 3
- 802.11 b/g wireless LAN
- Mini-USB client
- Optional RS232 9-pin serial
- Built-in microphone and speaker
- NMEA 0183 protocol support

Physical

- Size (LxWxH): 158 x 85 x 25 mm (6.3 x 3.4 x 1.2 in)
- Weight: 340 g with battery (12 oz)
- Operating Temperature: -20 °C to +60 °C (-4°F to 140°F)
- Storage Temperature: -30 °C to +70 °C (-22°F to 158°F)
- Dust proof and waterproof as per IP65 standard
- Shock: withstand 1.2-meter / 4-foot drop

Electrical

- Li-ion battery capacity: 3000 mAh
- Battery life: up to 10 hours with GPS and backlight

Package content

- LT30 GPS handheld receiver
- Li-Ion battery
- 8 GB Micro SD card
- USB data cable
- AC power adapter
- Stylus
- Hand strap

Accessories (optional)

- Vehicle power adapter
- RS232 9-pin Serial Adapter
- External GPS patch antenna
- External battery charger
- Carry case
- Range pole bracket

⁽¹⁾ 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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