



### Features

- ⚙ *Windows Mobile 6.1/6.5*
- ⚙ *Long time battery life*
- ⚙ *Ruggedized for extreme conditions*
- ⚙ *Optimal mobility, utility and comfort*
- ⚙ *GPRS quad-band, WiFi, Bluetooth*
- ⚙ *3.2MP with AF*
- ⚙ *3.7" VGA, sunlight readable*

### Deliver More with Less

The R100 data collector maps high-accuracy GIS data in less time with less effort. This rugged lightweight device is the simple and total solution to your biggest GIS mobile application challenges.

### Compatibility

Powered by Windows Mobile® 6.1 or 6.5 Pro, we make it easy to choose a software solution designed for your field work. With an integrated cellular modem, the R100 offers wireless connections to access the internet, exchange GIS data or wirelessly connect other devices such as Bluetooth-enabled laser rangefinders, portable printers and barcode scanners.

### Efficiency

The durable and compact R100 integrates a rich collection of functionality, including a photo and high-accuracy GPS receiver with 1 to 3 meter positioning.

### High-speed Internet Connectivity

Built in GPRS, wifi which could make the receiver connect with the internet wherever and whenever you want. With this function you could access real-time map data, web based services, and update the field information in real time.

## Signal Tracking

- High-sensitivity SiRF III chipset
- 20-channel GPS L1, CA code
- SBAS (WAAS, MSAS and EGNOS) support
- Tracking sensitivity: -159 dBm
- Update Rate: 1Hz
- Time to first fix
- Cold Start < 50 s
- Warm start < 35 s
- Hot Start <10 s
- MMCX External Antenna Connector

## Performance Specifications

- Stand alone GPS: 2-5 m RMS
- With SBAS: 1-3 m RMS

## System Characteristics

- Windows Mobile 6.1/6.5 operating systems
- 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
- 3.2 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 (L x W x H):  
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 12 hours

Specifications subject to change without notice.

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