



## KEY FEATURES

Windows Mobile version 5.0 software maximizes your choice of field applications

Built-in Bluetooth and wireless LAN for cable-free connectivity

Full alphanumeric keypad for efficient data entry

Ultra-rugged design enables you to keep working in all conditions

Expandable and versatile, with two CF slots and one SDIO slot



## RUGGED, EXPANDABLE HANDHELD FOR THE MOBILE WORKER

The rugged and reliable Trimble® Ranger™ handheld is ideal for your mobile workforce. With built-in wireless connectivity that gives you access to enterprise data on-the-go, you'll have the information you need to do the job right the first time. And the productivity you will gain with a full alphanumeric keypad will save your company time and money.

### Connected and expandable

The Trimble Ranger handheld covers all bases with a range of wireless options. Built-in Bluetooth® allows cable-free connection to other Bluetooth devices, including Trimble's GPS Pathfinder® Pro series receivers for on-the-spot positioning.

With integrated wireless LAN capability, the Trimble Ranger handheld can connect seamlessly to a local network for easy and convenient data transfer.

And if that doesn't give you enough options, two CompactFlash (CF) slots and a Secure Digital Input Output (SDIO) slot let you add supported GSM, or GPRS cards, for the ultimate in back-office connectivity. The USB host port can be used for a range of applications, including copying data to and from a USB flash memory drive. The USB host port can be used for a range of applications, including copying data to and from a USB flash memory drive.

### Software to meet all your business needs

Because it runs the industry-standard Windows Mobile® version 5.0 software, your choice of field applications is virtually unlimited. And with the familiar range of Microsoft® applications (such as Word Mobile and Excel Mobile) provided as standard, you have easy access to information and documents every step of the way.

It's no problem to take digital copies of plans, maps and schematics into the field—they'll be crisp and crystal-clear on the advanced outdoor color screen. The Trimble Ranger handheld gives you plenty of on-board memory for your data, with the option to add more via the CF and SDIO slots.

### Rugged design for all-weather operation

Much sturdier than a laptop or PDA, the Trimble Ranger handheld's sealed casing is dust, shock, and water-resistant, so you can keep working no matter what the weather throws at you. A powerful, long-life battery ensures all day field use. And because the Trimble Ranger runs Windows Mobile 5.0 software, all your data and applications reside in persistent storage, and are secure, even in the event of a power loss.

### Satisfied customers

With a range of communication options for all situations, the Trimble Ranger handheld is quite simply the best-connected, rugged handheld computer available. With ready access to information, you'll be more responsive on site—you'll need fewer return trips, saving time and money—and you'll improve customer satisfaction.

# Trimble Ranger handheld

## STANDARD FEATURES

### System

- Windows Mobile version 5.0 software
- 516 MHz Intel XScale processor
- 512 MB non-volatile Flash data storage
- Integrated Bluetooth for connectivity to other devices
- Integrated 802.11g wireless LAN for local network connectivity
- One USB host port for connection to supported USB peripherals, including flash memory devices
- Two CompactFlash (CF) slots for memory expansion and the addition of accessories
- One Secure Digital Input Output (SDIO) slot for memory expansion and the addition of accessories
- Full alphanumeric keypad for fast and efficient data entry
- Outdoor color display
- Rugged and waterproof design
- 30 hour battery under normal operating conditions

### Software

- Microsoft ActiveSync®, Calculator, File Explorer, Internet Explorer, Pictures, Excel Mobile, Outlook® Mobile (Inbox, Calendar, Contacts, Notes, Tasks), Word Mobile, Windows® Media Player
- Bluetooth File Transfer
- Transcriber (handwriting recognition)

### Accessories

- International AC battery charger (100–240 V)
- 10 screen protectors
- 2 stylus pens
- Getting Started Guide
- Hand strap
- USB data cable
- Nylon carry case
- Memory card pull tabs

## OPTIONAL FEATURES

### Software

- Trimble GPSCorrect™ extension for ESRI ArcPad software
- TerraSync™ software
- GPS Pathfinder Tools Software Development Kit (SDK)
- GPS Pathfinder Office software
- Trimble GPS Analyst™ extension for ESRI ArcGIS Desktop software

### Accessories

- 12V vehicle charging cable
- Range pole bracket

## TECHNICAL SPECIFICATIONS

### Physical

Size . . . . . 26.6 cm x 13.1 cm x 4.8 cm (10.5 in x 5.2 in x 1.9 in);  
7.6 cm (3.0 in) at handgrip  
Weight . . . . . 0.95 kg (2.1 lb) with battery  
Processor . . . . . 516 MHz Intel PXA270 XScale  
Memory . . . . . 128 MB high-speed SD-RAM, ~20 MB reserved  
512 MB onboard non-volatile NAND Flash, ~26 MB reserved  
Battery . . . . . Internal 6600 mAh lithium-ion, rechargeable in unit

### Environmental

Operating temperature . . . . . –30 °C to +60 °C (–22 °F to +140 °F)  
Storage temperature . . . . . –40 °C to +70 °C (–40 °F to +158 °F)  
Humidity . . . . . MIL-STD-810F, Method 507.4, Procedure III  
Sand and dust . . . . . IP67, MIL-STD-810F, Method 510.4, Procedures I and II  
Water . . . . . IP67, MIL-STD-810F, Method 512.4, Procedure I  
Drop . . . . . 1.22 m (4 ft), MIL-STD-810F, Method 516.5, Procedure IV  
Vibration . . . . . Vibration resistant, MIL-STD-810F,  
Method 514.5, Procedure I  
Altitude . . . . . 15,000 ft at 23 °C (73 °F), MIL-STD-810F  
Method 500.4, Procedures I, II & III

### Input/output

Communications . . . . . Bluetooth and Wireless LAN for wireless connectivity  
DE9 (M) RS-232 serial port, USB slave port, USB host port  
Bluetooth<sup>1</sup> Profiles  
Client and host support . . . . . Serial Port, File Transfer (using OBEX)  
Client support only . . . . . Dial-Up Networking (Data Terminal role)  
Host support only . . . . . Object Push  
Wireless LAN . . . . . Integrated 802.11g  
Expansion . . . . . 1 x Type I and 1 x Type II CF slots  
1 x SDIO slot  
CF-Cap™ seal protects from rain, wind, and dust  
Display . . . . . 320 x 240 pixel (¼ VGA) color TFT with LED back light  
Audio . . . . . Microphone and half duplex speaker  
Interface . . . . . TFT touch screen  
53-key physical keypad  
Separate navigation, alpha and numeric keypads  
Eight-position spider key  
Soft Input Panel (SIP) virtual keypad and Transcriber software  
Audio system events, warnings, and notifications

*1 Bluetooth type approvals are country specific. The Trimble Ranger handheld has Bluetooth approval in the U.S. and EU. For other countries please consult your local Reseller.*

*Specifications subject to change without notice.*

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