

# Trimble Ranger handheld computer

## KEY FEATURES

Rugged and waterproof

Microsoft Windows Mobile 5.0

Long-life battery

Expandable and versatile, with two CF slots and one SD memory slot

Optional built-in Bluetooth and wireless LAN

Full alphanumeric keyboard



## NEXT GENERATION—STILL ONE OF A KIND

The next-generation Trimble® Ranger™ rugged handheld computer, like the pioneering original, combines a Windows® operating system, an ergonomic keypad and military-grade durability. And thanks to real-world feedback from tens of thousands of users, the next-generation Ranger offers the latest technology and more features in two models: the economical 300X and the powerful 500X. Windows Mobile® runs thousands of applications. Wireless capabilities let you connect without cables. And with its CompactFlash (CF) and Secure Digital (SD) slots, you can add multiple accessories and increase data storage. All of which makes the Ranger first in its field—again.

### Rugged as ever

You can count on your Ranger in the roughest conditions. It meets rigorous MIL-STD-810F standards for drops, vibration, humidity, altitude and extreme temperatures. And with an IP67 rating, the Ranger is impervious to water and dust, keeping your data safe.

### Go wireless to expand your options

Stay connected while leaving those bulky cables behind. The Ranger now gives you the option for integrated Bluetooth and 802.11 wireless. You can also use the Ranger's SDIO slot and two CF slots to add GPS, GPRS, digital cameras, data storage bar-code scanners and other devices. Plus, you

can count on the Ranger to keep your data safe with a CF-Cap™ that's sealed to keep out water, dirt and dust. Various CF-Cap sizes accommodate larger devices.

Everything about the Ranger is designed to make it tough on the job—and easy on you.

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## STANDARD FEATURES

- Microsoft Windows Mobile 5.0
- 53 tactile keys with separate navigation, alpha and numeric keypads, plus 8+1 directional pad
- Touchscreen
- Battery life of 30 hours under normal operating conditions
- Complete recharge in 4.5 hours (80% in 2 hours)
- Battery charge status LED indicator
- Notification LED
- Rugged polycarbonate shell
- Integrated speaker and microphone

## STANDARD SOFTWARE

- Word Mobile
- Excel Mobile
- PowerPoint Mobile
- Outlook® Mobile
- Pocket Internet Explorer
- Contacts
- Calendar
- Calculator
- Notes
- Tasks
- Terminal services client
- Microsoft ActiveSync
- Windows Media Player
- Microsoft Pictures and Videos
- Online help

## STANDARD ACCESSORIES

- AC charger
- Standard CF-Cap
- Screen protectors
- Rechargeable PowerBoot Module

- USB cable
- User's guide
- Handstrap
- Stylus

## OPTIONAL ACCESSORIES

- Vehicle charger
- Nylon carry case
- Tripod bracket
- Range pole bracket
- Midsize CF-Cap
- Extended CF-Cap
- Lanyard

## PHYSICAL

Size ..... 10.5" (26.6 cm) x 5.2" (13.1 cm) x 1.9" (4.8 cm)  
 Weight ..... 2.1 lb (952 g), including battery

## ENVIRONMENT

Operating Temperature..... -22 to 140 °F (-30 to 60 C)  
 Storage Temperature..... -40 to 158 °F (-40 to 70 C)  
 Humidity..... MIL-STD-810F, Method 507.4  
 Water..... IP67, sealed against accidental immersion (1 m for 30 min.)  
 MIL-STD-810F, Method 512.4, Procedure I  
 Drop..... MIL-STD-810F, Method 516.5, Procedure IV  
 48" onto concrete, 26 drops at room temperature  
 (all faces, edges, corners, one drop each)  
 6 face drops at 60 C, 6 face drops at -30 C  
 Dust..... IP67, MIL-STD-810F, Method 510.3, Procedures I & II  
 Vibration..... MIL-STD-810F, Method 514.5, Procedure I, Figs. 5 & 17  
 Altitude..... MIL-STD-810F, Method 500.4, Procedures I, II & III  
 15,000 ft at 73 °F (23 C)

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## I/O

Ports ..... 9-pin serial port—RS232 (115 Kbps)  
 USB host and client  
 DC power port

## ELECTRICAL

Processor..... Intel PXA 270 XScale CPU  
 Expansion..... 1x Type I and 1x Type II CompactFlash slots  
 1x Secure Digital I/O (SDIO) slot  
 Display..... 320 x 240 pixel (1/4 VGA) color TFT with LED backlight  
 Power..... Li-Ion rechargeable pack, 6600 mAh

## Models

Processor/Speed	RANGER 300X	RANGER 500X
Intel XScale	312 MHz (520 MHz optional)	520 MHz
<b>Memory</b>		
SDRAM ~22 MB reserved	64 MB	128 MB
Data storage (On-board Flash) ~40 MB reserved	256 MB	512 MB
<b>Wireless</b>		
Integrated Bluetooth	Optional	Standard
Integrated 802.11g	Optional	Optional



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## Rugged Notebooks, Inc.

1574 N. Batavia St. Suite 2 • Orange CA, 92867  
 Tel 866.278.4433  
 Fax 714.998.1860  
 sales@ruggednotebooks.com  
 www.ruggednotebooks.com

YOUR LOCAL TRIMBLE DEALER

TRIMBLE NAVIGATION LIMITED  
 P.O. Box 947,  
 Corvallis,  
 OR 97339



www.trimble.com