

Trimble Ranger Series 300/500

The TRIMBLE RANGER 300/500 is a MS Windows Mobile 2005 machine that follows in the tradition of engineered ruggedized handhelds used in forestry for over two decades.

This is an excellent data collection handheld having the ability to accept data either via touch screen or by a separate alpha and numeric keypad.

The Ranger has the features required of a ruggedized, reliable field computer:

- waterproof
- best reputation around
- rugged
- cold temperature operation
- long lasting battery – 3 to 5 days
- separate number pad keyboard
- finger or stylus touch screen
- backlight, sunlight readable color
- built-in USB, and DB-9 serial port – integrated wireless Ethernet and Bluetooth options available
- microphone and speaker to record voice notes & playback
- 2 CF and 1 SD ports for add-ons like GPS, memory and bar code scanning with waterproof cap.



SOFTWARE – Run hundreds of Pocket PC Windows Mobile 2005 Applications.

D.R. systems has experience in developing forestry data collection applications for: silviculture surveys, timber cruising, vegetation & resources inventory, ecology sample plots, log scaling, 3P sampling, bucking for value, nurseries, surveying, including road engineering traverse and deflection lines. If you have an application you would like developed please contact D.R. systems and we will be more than happy to look at your specifications and create a program for you



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Trimble Ranger Specifications

DESIGN	
Size:	10.5" (26.6 cm) x 5.2" (13.1 cm) x 1.9" (3.8 cm)
Weight:	952 g (2.1 lb), including battery
Case:	Rugged polycarbonate shell, Yellow
Screen:	320 x 240 pixel (1/4 VGA) color TFT with LED backlight
Pen and touch screen	Passive touch screen allows use of stylus or finger
Keyboard	53 tactile keys with separate navigation, alpha and numeric keypads, plus 8+1 directional pad
PERFORMANCE	
Operating System:	Microsoft Windows Mobile 5.0
Processor:	Intel PXA 270 XScale CPU 312 MHz or 520 MHz
Memory:	300X – 64 MB low power DRAM with 256 MB non-volatile Flash disk for storage 500X - 128 MB low power DRAM with 512 MB non-volatile integrated Flash disk.
Expansion	1x Type I and 1x Type II Compact Flash slots 1x Secure Digital (SD) memory card slot
Batteries	6600 mAh Lithium Ion rechargeable pack (30 hours use on a charge) Complete recharge in 4.5 hours (80% in 2 hours) Battery charge status LED indicator and Notification LED
DATA SECURITY	
Operating Temperature:	-22 to 140°F (-30 to 60 C)
Sealing:	IP67, sealed against accidental immersion (1 m for 30 min.) MIL-STD-810F, Method 512.4, Procedure I
Shock:	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
COMMUNICATIONS	
Communication Ports:	9-pin serial port—RS232 (115 Kbps) USB host and client
Infrared:	none
Bluetooth	integrated and user inserted CF card options
Ethernet	integrated wireless option
Audio:	Integrated microphone and speaker
STANDARD Accessories	Battery pack, AC charger, USB interface cable, stylus pen, clear vinyl screen protectors, user's guide, Standard CF cap, rechargeable boot module, handstrap.
OPTIONS	Vehicle charger, nylon carry case, midsize and long size CF cap, lanyard
Standard Software	Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile, Pocket Internet Explorer, Contacts, Tasks, Notes, Calendar, Calculator, Windows Media Player, MS Picture and Videos, MS ActiveSync, Terminal services client.



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