

TDS Ranger

Next generation—still one of a kind

TDS Ranger features more power, new capabilities, plus field-proven durability and Survey Pro software

Introducing the next-generation TDS Ranger™ rugged handheld computer from Tripod Data Systems. Like the pioneering original, it features field-ready ruggedness, a 30-hour battery and an easy-to-use keypad. And thanks to real-world feedback from thousands of surveyors, the new Ranger adds features surveyors have been asking for, in two models: the economical 300X and the powerful 500X. Windows Mobile™ software for Pocket PCs gives you the ability to run thousands of applications—including the latest version of Survey Pro™, the #1 choice of surveyors since 1995.¹ New wireless capabilities let you connect without cables. And with the Ranger's new expansion slots, you can add multiple accessories as well as increase data storage. All of which makes the Ranger first in its field—again.

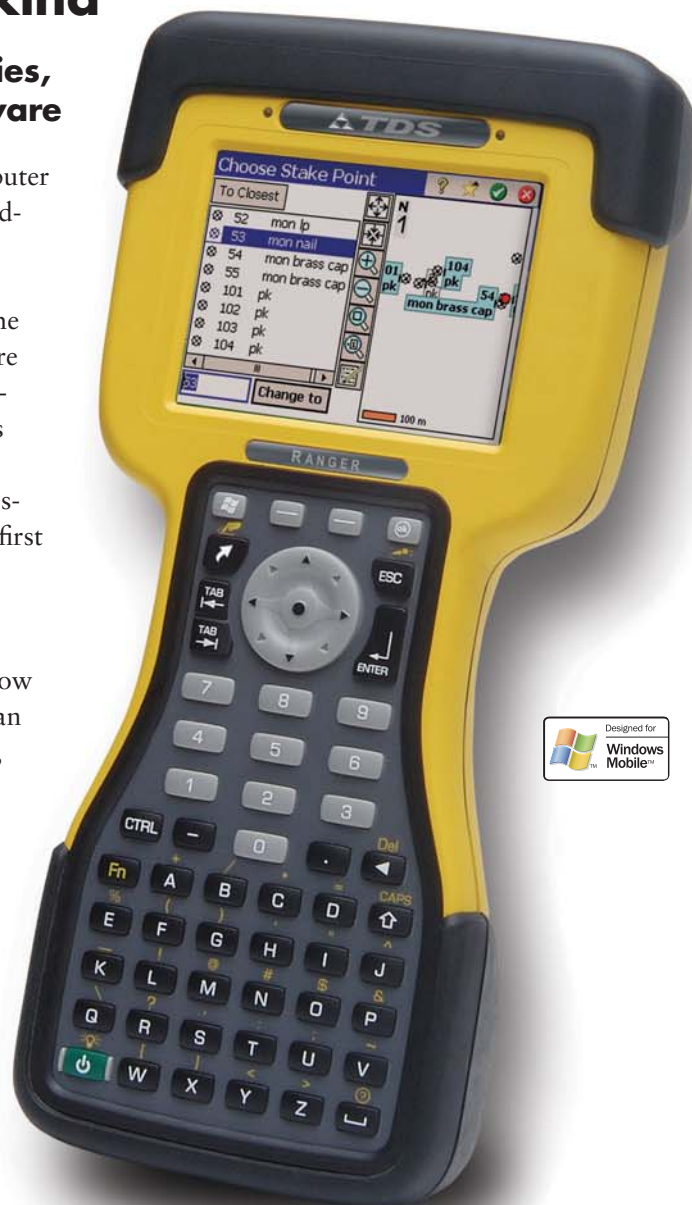
Go wireless to expand your options

Stay connected while leaving those bulky cables behind. The Ranger now gives you options for integrated Bluetooth and 802.11 wireless. You can also use the Ranger's two CompactFlash (CF) slots to add GPS, GPRS, digital cameras, bar-code scanners and other CF devices. And for larger jobs, you can use the new Secure Digital (SD) slot for more data storage.

Rugged as ever

Of course, it wouldn't be a Ranger if it weren't built tough. It meets rigorous MIL-STD-810F military 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.

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



The rugged Ranger shrugs off harsh outdoor environments and rough weather, keeping your data safe.



Featuring Windows Mobile, the Ranger runs thousands of familiar applications, and it's easy to transfer data to your PC.



You can use the Ranger's new features and still get 30 hours of battery life under typical conditions.

Ranger Specifications

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

Survey Pro	Word Mobile
Calendar	Excel Mobile
PowerPoint Mobile	Windows Media Player
Outlook Mobile	Microsoft Pictures and Videos
Pocket Internet Explorer	Microsoft Activ Sync
Contacts	Online help
Tasks	Terminal services client
Notes	Calculator

STANDARD ACCESSORIES

AC charger	USB cable
Standard CF-Cap	User's guide
Screen protectors	Hand strap
Rechargeable PowerBoot Module	Stylus

OPTIONAL ACCESSORIES

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

PHYSICAL

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

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

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)

MODELS OVERVIEW

	RANGER 300X	RANGER 500X
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PROCESSOR/SPEED

Intel XScale	312 MHz (520 MHz optional)	520 MHz
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MEMORY

SDRAM ~22 MB reserved	64 MB	128 MB
Data storage (On-board Flash) ~40 MB reserved	256 MB	512 MB

WIRELESS

Integrated Bluetooth	Optional	Standard
Integrated 802.11b	Optional	Optional



The Ranger features ergonomic navigation, alpha and numeric keypads that are easy to use when wearing gloves.



The Ranger's color display remains visible in direct sunlight, with powerful illumination for low-light conditions.

Your local TDS dealer



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