

TDS Ranger

Next generation—still one of a kind

TDS Ranger adds versatility, more features to its unparalleled reliability and military-grade durability

The next-generation TDS Ranger™ rugged handheld computer from Tripod Data Systems, 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 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.

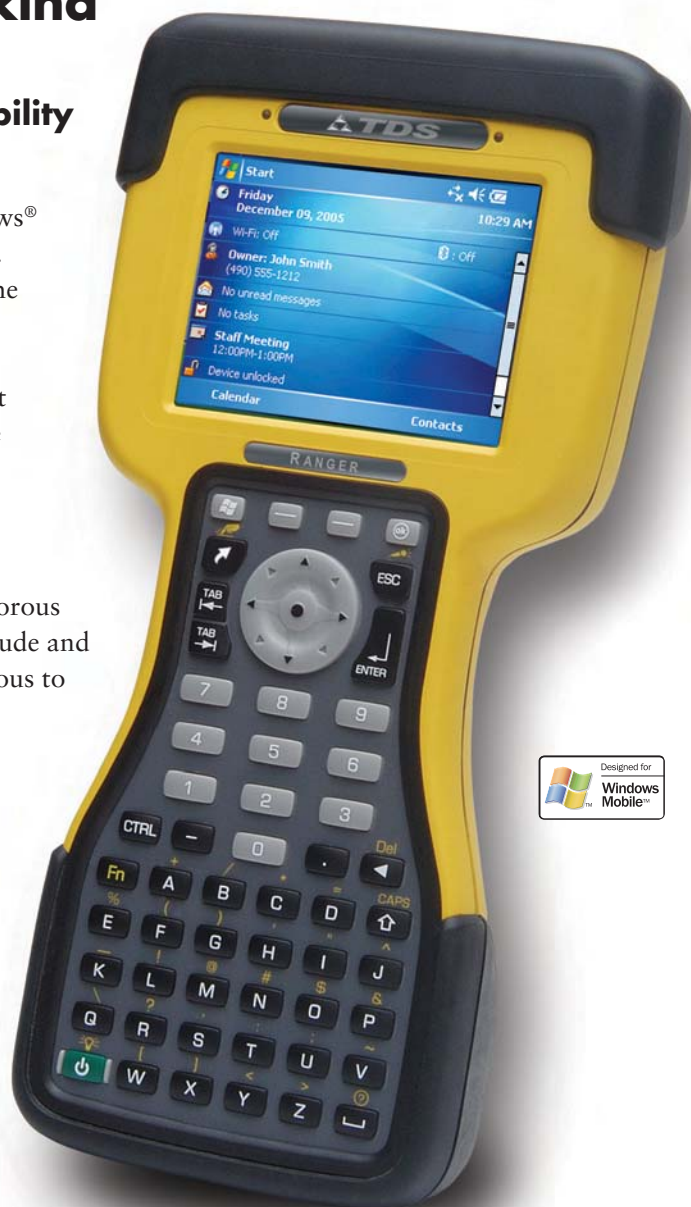
Rugged as ever

You can count on your Ranger in the roughest conditions. It meets rigorous MIL-STD-810F 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.

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.



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 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

Word Mobile	Calendar
Excel Mobile	Calculator
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	

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

PROCESSOR /SPEED

Intel XScale

312 MHz
(520 MHz optional)

520 MHz

MEMORY

SDRAM ~22 MB reserved
Data storage (On-board Flash) ~40 MB reserved

64 MB
256 MB

128 MB
512 MB

WIRELESS

Integrated Bluetooth
Integrated 802.11b

Optional
Optional

Standard
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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