

TDS RECON

TOUGH AS EVER.
EVEN MORE CAPABLE.



RUGGED AND WATERPROOF



LONG-LIFE BATTERY



LINUX® 2.6



VERSATILE CONFIGURATIONS

Next-generation Recon adds integrated wireless, more memory, plus Linux® 2.6

The TDS Recon® handheld from Tripod Data Systems™ adds new capabilities to help you do even more in the field.

Available integrated Bluetooth® and 802.11g wireless keep you connected.

Versatile Linux 2.6 software runs thousands of applications. Plus, the Recon offers even more Flash memory: 128 MB on the Recon 200X and 256 MB on the Recon 400X.

Compact, lightweight and built tough

The compact Recon weighs just 17 ounces, yet its rugged design delivers reliable performance in the field. The Recon meets rigorous MIL-STD-810F military standard for drops, vibration, humidity, altitude and extreme temperatures. And with an IP67 rating, it's impervious to water and dust.

Built-in wireless, plus versatile CompactFlash options

With the Recon, it's easy to make connections in the field. Bluetooth wireless lets you connect to mobile peripherals without cables, while 802.11g wireless gives you access to local area networks, e-mail and the Internet. What's more, two

CompactFlash (CF) slots let you add GPS, digital cameras, bar code scanners and other devices.

Hard working, yet easy to use

The Recon features a high-performance 200 MHz or 400 MHz Intel XScale processor, an improved touchscreen and a new built-in microphone. Its long-life battery works all day without a recharge. And to keep your data safe, the Recon employs robust, custom designed, high-performance NAND Flash. The Linux 2.6 kernel and Qtopia® or X11/GTK+ environment provides the flexibility you need and the control you desire.

You never want to compromise in your work. With the Recon, you don't have to.



See all the Recon features at
tdsway.com/Recon or
sdgsystems.com/Recon



RECON SPECIFICATIONS

STANDARD FEATURES

Linux® 2.6 kernel with Qtopia® or X11/GTK+
200 MHz or 400 MHz Marvell® PXA255 XScale® processor
64 MB high-speed SDRAM
128 MB or 256 MB nonvolatile flash storage
Sunlight-readable color TFT display
Touchscreen
Rugged waterproof design
Integrated speaker and microphone
15 hours of continuous room-temperature operation with default settings
Optional integrated Bluetooth® and 802.11g wireless capability

STANDARD SOFTWARE

Linux 2.6
Qtopia or X11/GTK+
Web Browser
Contacts
Calendar
Tasks
Notes
Calculator
Terminal
Configuration Utilities
Shell Utilities

STANDARD ACCESSORIES

Rechargeable PowerBoot Module™
Standard CF-Cap™
AC charger
USB data cable
User's guide
Hand strap
Two stylus pens
Package of 10 screen protectors

OPTIONAL ACCESSORIES

Carry case
Deluxe case with belt clip and neck strap
Stylus lanyard
Serial interface cable
AA PowerBoot Module
Midsize CF-Cap
Extended CF-Cap
Optical CF-Cap
Tripod bracket, range pole bracket

12V vehicle charging cable
CompactFlash cards—GPS, bar code scanners, 802.11 or Bluetooth
Vehicle mount
Desktop cradle

PHYSICAL

Size: 6.50" (16.5 cm) x 3.75" (9.5 cm) x 1.75" (4.5 cm)
Weight: 17 ounces (490 g) including rechargeable PowerBoot Module

ENVIRONMENT

Operating temperature: -22 to 140 °F (-30 to 60 °C)
Storage Temperature: -40 to 158 °F (-40 to 70 °C)
Temperature shock: MIL-STD-810F, Method 503.4
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
26 drops from 4 ft (1.22 m) onto plywood over concrete, 6 additional drops at -22 °F (-30 °C), 6 additional drops at 140 °F (60 °C)
Sand and dust: IP67, MIL-STD-810F, Method 510.4, Procedure I

Vibration: MIL-STD-810F, Method 514.5, Procedure I (Fig. 17) & II

Altitude: MIL-STD-810F, Method 500.4, Procedures I, II & III 15,000 ft at 73 °F (23 °C)

COMPONENTS

Processor: Marvell PXA255 XScale CPU
200 MHz (Recon 200X)
400 MHz (Recon 400X)

Memory: 64 MB high-speed SDRAM
~22 MB reserved

Storage: Onboard nonvolatile NAND Flash
128 MB (Recon 200X)
256 MB (Recon 400X)
~31 MB reserved

Expansion: 1x Type I and 1x Type II CompactFlash slots

Display: 240x320 pixel (1/4 VGA) color TFT with LED front light

Batteries: 3800 mAh NIMH rechargeable pack

I/O

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



The 9-pin RS-232 serial and USB ports accept standard computer cables for maximum compatibility. And the Recon's internal components are fully sealed and protected in case of accidental immersion in water.



The Recon weighs 17 ounces and has rounded edges that fit comfortably in your hand. Optional modules include a AA PowerBoot Module and various CF-Caps that support larger accessories such as GPS receivers or bar code scanners.

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