

TDS Recon X-Series

The next-generation TDS Recon X-Series rugged handheld computer delivers maximum performance and reliability in a lightweight, extremely rugged design that's easy to carry.

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 Microsoft® Windows Mobile® 6 software runs the applications you use most. Plus, the Recon offers even more Flash memory: 128 MB on the Recon 200X and 256 MB on the Recon 400X.

Compact and Rugged

The compact Recon weighs just 529g (17 ounces), yet its rugged design delivers reliable performance in the field. The Recon meets rigorous MIL-STD-810F military standards for drops, vibration, humidity, altitude and extreme temperatures. And with an IP67 rating, it's impervious to water and dust.

Built-in wireless

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.

Easy to use performance

The Recon features a high-performance 200 MHz or 400 MHz Intel XScale processor, an improved touchscreen and a 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. Its Windows Mobile 6 software runs your favorite applications including your calendar, e-mail and Mobile versions of Word and Excel, plus PowerPoint. You never want to compromise in your work. With the Recon, you don't have to.

Features

Ultra rugged

The Recon can handle the toughest field conditions. It's impervious to dust and water immersion.

Long battery life

The Recon's rechargeable NiMH PowerBoot module provides 3,800 mAh of power, enough to give you at least 15 hours of continuous typical use—more than a full day's work.

Wireless

The TDS Recon X-Series has optional built-in Bluetooth and 802.11g wireless communication capabilities.

High performance

The Recon features the high-performance 200 MHz or 400 MHz XScale processor, a color display with front light, 64 MB of RAM and 128 or 256 MB of nonvolatile Flash storage to protect data from resets or power loss.



Specifications

Standard Features

- Windows Mobile 6
- 200 MHz or 400 MHz Intel 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

- Word Mobile
- Excel Mobile
- PowerPoint Mobile
- Outlook Mobile
- Internet Explorer Mobile
- OneNote Mobile
- Messaging
- Remote Desktop Mobile
- Contacts
- Tasks
- Notes
- Calendar
- Calculator
- Windows Media Player
- Microsoft Pictures and Videos
- Microsoft ActiveSync
- Online help
- STANDARD ACCESSORIES
- Rechargeable PowerBoot Module™

- Standard CF-Cap™
- AC charger
- USB data cable
- User's guide
- Hand strap
- Two stylus pens
- 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, camera, 802.11 or Bluetooth
- Vehicle mount
- Desktop cradle

Physical

- Size: 6.50" (16.5 cm) × 3.75" (9.5 cm) × 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)

Electrical

- Processor: Intel 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: 1 × Type I and 1 × Type II CompactFlash slots
- Display: 240×320 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