

TDS Recon



- Weighs just 17 oz.
- Meets MIL-STD-810F standards
- IP67 rating
- Featuring Survey Pro software
- Two CompactFlash (CF) slots
- 400MHz model
- Windows Mobile 6
- Optional integrated Bluetooth and 802.11g wireless

The TDS Recon data collector delivers maximum performance and reliability in a lightweight, extremely rugged design that's easy to carry. The waterproof Recon weighs just 17 ounces, meets military specifications for drops, vibration, and both high and low temperature operation, and runs Windows Mobile 6. The Recon offers industry-standard COM ports and a sunlight-readable color TFT display, so it works wherever and whenever you need it. If portability, data security and maximum operating time are crucial to your work, you can count on the Recon.

Its innovative design provides customization options to suit your different applications. Two CompactFlash (CF) slots, embedded Bluetooth and optional 802.11g wireless capabilities add to the versatility of the Recon. Or, the very affordable Recon NX comes without CF slots and without wireless options.

| MODELS OVERVIEW | 400X | 400NX |
|-------------------------------|----------|---------|
| PROCESSOR/SPEED | | |
| Intel XScale | 400 MHz | 400 MHz |
| MEMORY | | |
| SDRAM | 64 MB | 64 MB |
| Data storage (On-board Flash) | 256 MB | 128 MB |
| WIRELESS | | |
| Integrated Bluetooth | Standard | N/A |
| Integrated 802.11g | Optional | N/A |

STANDARD FEATURES

- Windows Mobile 6
- 400 MHz Intel PXA255 XScale processor
- 64 MB high-speed SDRAM
- 256 MB nonvolatile Flash storage (NX: 128 MB)
- 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

PHYSICAL

Size

6.50 in x 3.75 in x 1.75 in (16.5 cm x 9.5 cm x 4.5 cm)

Weight

17 ounces (490 g) w/PowerBoot Module

ELECTRICAL

Processor

Intel PXA255 XScale CPU

Expansion

1x Type I and 1x Type II CompactFlash slots²

Display

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

Power

NiMH rechargeable pack 3800 mAh

² Not applicable to Recon NX model.

I/O

Ports

9-pin serial port—RS-232 (115 Kbps)
USB client
DC power port

STANDARD SOFTWARE

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

STANDARD ACCESSORIES

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

NOTE: See accessories section for complete list of optional accessories

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

Sand and dust

IP67, MIL-STD-810F, Method 510.4, Procedures 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)

Vibration

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

Altitude

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