

TDS NOMAD



RUGGED AND WATERPROOF



LONG-LIFE BATTERY



WINDOWS MOBILE 6



SUNLIGHT READABLE VGA DISPLAY

Everything you wanted in an outdoor rugged handheld computer—built in.

The new TDS Nomad™ packs even more functionality into the most powerful and full-featured rugged handheld computer available. Start with an 806 MHz processor, 1 GB of Flash storage, a long-life battery and integrated wireless capabilities like GPS, 802.11g, and Bluetooth¹. Then select an optional integrated laser bar code scanner and color digital camera². The Nomad also features a high-resolution, sunlight-visible VGA display that shows graphics and maps in crisp detail. And it's fully rugged and just as tough as our other handhelds which means the Nomad offers a lower Total Cost of Ownership (TCO) than consumer-grade handhelds³.

Built-in versatility

The Nomad makes it easy to collect, save and transmit data in the field because it's available with so many built-in capabilities. Compute your location with the integrated GPS receiver for navigation applications. Quickly track your assets with the integrated 1D laser bar code scanner. Or capture color images with the 2 megapixel digital camera for inspection, maintenance and repair applications. Plus, you can use the Nomad's CompactFlash (CF)

and Secure Digital (SDIO) slots⁴ to add even more devices.

Tough as all outdoors

Like all TDS rugged handhelds, the Nomad meets the rigorous MIL-STD-810F military standard for drops, vibration, humidity, altitude and extreme temperatures. It also comes with an IP67 rating. That means the Nomad is completely sealed against dust, and it can survive immersion in up to a meter of water for 30 minutes. TDS rugged handhelds have also proven their reliability in the field with thousands of real-world users.

Fast, bright and easy to use

Every Nomad comes with an 806 MHz Marvell PXA320 XScale processor, 128 MB RAM and a hot-swappable Lithium Ion (Li-Ion) battery that can work all day without a recharge. The Nomad also includes the latest Windows Mobile® 6 software, so it runs all the applications you use most, including a wide range of third-party software for industry-specific applications.

Want to do more outside? Get the handheld that has more inside. Get your hands on a Nomad.



1 Except Nomad 800B models. 2 Available Q3 2007. 3 E-mail us at handhelds@tdsweb.com for a copy of the TCO White Paper. 4 800LE and 800LC models have SDIO only.



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NOMAD SPECIFICATIONS

STANDARD FEATURES

Windows Mobile 6 (Classic edition)
 Marvell 806 MHz XScale processor
 128 MB DDR SDRAM
 512 MB to 1 GB nonvolatile Flash storage
 Full VGA display, sunlight-readable color TFT
 Touchscreen
 Rugged submersible design
 Integrated speaker and microphone
 Integrated Bluetooth 2.0
 CompactFlash (CF) (Type II) slot
 Secure Digital (SDIO) slot
 Notification LEDs
 USB host and client
 Audio jack
 15 hour battery life with active use (default settings)
 Keypad backlighting for night use
 12-month limited warranty

CONFIGURATION OPTIONS

Integrated 802.11b/g wireless capability
 Integrated GPS (SIRFStar III, WAAS Capable)
 9-pin RS-232 serial connector
 PDA or numeric style keypad
 Integrated laser 1D bar code scanner
 Integrated digital camera (color, 2 megapixel resolution)

STANDARD SOFTWARE

Microsoft® Office Mobile
 Word Mobile
 Excel Mobile
 PowerPoint Mobile
 Outlook Mobile
 Internet Explorer Mobile
 Contacts/Calendar
 Tasks
 Notes
 Calculator
 Windows Media Player
 Microsoft Pictures and Videos
 Online help

STANDARD ACCESSORIES

Rechargeable Li-Ion battery module
 Rugged stylus with spring-loaded tip
 Stylus
 Lanyard
 AC charger
 USB data cable

User guide
 Hand strap
 Screen protectors
 Getting Started CD with ActiveSync

OPTIONAL ACCESSORIES

Carry case
 Deluxe case with belt clip and neck strap
 9-pin serial boot or USB boot
 Serial interface cable
 AA battery module
 Spare battery charger
 Extended CF-Cap
 Tripod bracket
 Range pole bracket
 12V vehicle charging cable
 Vehicle mount

PHYSICAL

Size: 6.92" (17.6 cm) x 3.92" (10.0 cm) x 1.96" (5.0 cm)
 Weight: 21 ounces (596 g) including rechargeable battery

ENVIRONMENT

Operating temperature: -22 to 140 °F (-30 to 60 C)
 MIL-STD 810F, Method 501.4, Procedure II (High Temp Operating, +65C)
 MIL-STD 810F, Method 502.4, Procedure I, II, III (Low Temp Op/Manipulation -35C)
Storage Temperature: -40 to 158 °F (-40 to 70 C)
 MIL-STD 810F, Method 501.4, Procedure I (High Temp Storage, +70C)
 MIL-STD 810F, Method 502.4, Procedure I, II, III (Low Temp Storage -40C)
Temperature shock: MIL-STD-810F, Method 503.4, Procedure I (-35C/+65C)
Humidity: MIL-STD-810F, Method 507.4 (Humidity, 90%RH temp cycle -20/+60)
Water: IP67, MIL-STD-810F, Method 512.4, Procedure I, Water Jet 12.5mm dia. @ 2.5 - 3m, 100 Liter/min.

Drop: MIL-STD-810F, Method 516.5, Procedure IV 26 drops from 4 ft (1.22 m) onto 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 510.3, Procedures I&II, IEC-529 IP-X6

Vibration: MIL-STD 810F, Method 514.5, Procedure I (Vibration, General Minimum Integrity, figure 17) MIL-STD 810F, Method 514.5, Procedure II (Vibration, Loose Cargo, figure 5)

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

ELECTRICAL

Processor: Marvell PXA320 XScale 806 MHz
Memory: 128 MB DDR SDRAM
 ~ 30 MB reserved
Storage: Onboard nonvolatile NAND Flash 512 MB TO 1 GB
 ~ 50 MB reserved
Expansion: 1x Type II CF slot, 1x SDIO slot
Display: 480 x 640 pixel (VGA) 16 bit color TFT with LED backlight
Batteries: 5200 mAh Li-Ion rechargeable pack
I/O: USB Host and client, power, audio jack
Radios:
Bluetooth 2.0 + EDR,
Profiles: Serial Port Profile, Dial-up Networking (DUN)
 - Terminal role only, Advanced Audio Distribution Profile (A2DP) - Source role only, Human Interface Device (HID), Object Push Profile (OPP), Personal Area Networking (PAN) - Network Access Point role only, ActiveSync Over Bluetooth
wLAN: 802.11b/g WPA2

CERTIFICATIONS

FCC, CE/R & TTE, IC (Canada), C-Tick
 RoHS Compliant

Specifications subject to change without notice.

NOMAD CONFIGURATIONS

	Flash	GPS	BT	802.11g	Card slots	Laser scanner	Camera	Keypad
800LE	1 GB	x	x	x	SD	x	x	Numeric
800LC	1 GB	x	x	x	SD		x	PDA or Numeric
800L	1 GB	x	x	x	SD/CF			PDA or Numeric
800B	512 MB		x		SD/CF			PDA or Numeric

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