

# MORE POWER, MORE CAPABILITY, TDS NOMAD PLUS PROVEN TOUGHNESS.



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 Nomad™ outdoor rugged handheld computer from Tripod Data Systems™ continues to pack even more functionality into one of the most powerful and full-featured mobile devices available. Start with an 806 MHz processor, up to 2 GB of Flash storage, a long-life battery and integrated wireless capabilities like GPS, 802.11g, WWAN and Bluetooth<sup>1</sup>. Then select an optional integrated laser bar code scanner and color digital camera. The Nomad handheld also features a high-resolution, sunlight-visible VGA display that shows graphics and maps in crisp detail. And it's fully rugged which means the Nomad handheld offers a lower Total Cost of Ownership (TCO) than consumer-grade handhelds<sup>2</sup>.

### Built-in versatility

The Nomad computer 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 and upload changes from the field. Or capture color images with the 2 megapixel digital camera for inspection, maintenance and repair applications.

All models provide a Secure Digital (SDIO) slot to add even more capabilities. Plus, some models offer a CompactFlash (CF) slot or a second USB host as well.

### Tough as the outdoors

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

### Fast, powerful and easy to use

Every Nomad handheld 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 computer 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 handheld.



1. Nomad 800B models have Bluetooth only.  
2. E-mail us at [handhelds@tdsway.com](mailto:handhelds@tdsway.com) for a copy of the TCO White Paper.



See Nomad handheld computer features at  
**[tdsway.com/Nomad](http://tdsway.com/Nomad)**  
or call 541-752-9000

# NOMAD SPECIFICATIONS

## STANDARD FEATURES

Windows Mobile 6 (Professional in WWAN models; Classic in all other models)  
 Marvell 806 MHz XScale processor  
 128 MB DDR SDRAM  
 512 MB to 2 GB non-volatile Flash storage  
 Full VGA display, sunlight-readable color TFT  
 Touchscreen  
 Rugged submersible design  
 Integrated speaker and microphone  
 Integrated Bluetooth 2.0  
 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 Quad-band GSM GPRS/EDGE capability  
 Integrated GPS (SiRFStar III, WAAS Capable)  
 Integrated 802.11b/g wireless capability  
 CompactFlash (CF) (Type II) slot (on 800B, 800L and 800X models only)  
 9-pin RS-232 serial connector  
 PDA or numeric style keypad  
 Integrated laser 1D bar code scanner  
 Integrated digital camera (color, 2 megapixel resolution)  
 Second USB host (on 800LD model only)

## 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  
 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  
 12 V vehicle charging cable  
 Vehicle mount  
 Trigger pistol grip

## PHYSICAL

Size: 6.92 in x 3.92 in x 1.96 in (17.6 cm x 10 cm x 5.0 cm)  
 Weight: 21 ounces (596 g) including rechargeable battery

## ENVIRONMENT

**Operating temperature:** -22 °F to 140 °F (-30 °C to 60 °C)  
 MIL-STD 810F, Method 501.4, Procedure II (High Temp Operating, +65 °C)  
 MIL-STD 810F, Method 502.4, Procedure I, II, III (Low Temp Op/Manipulation -35 °C)  
**Storage Temperature:** -40 °F to 158 °F (-40 °C to 70 °C)  
 MIL-STD 810F, Method 501.4, Procedure I (High Temp Storage, +70 °C)  
 MIL-STD 810F, Method 502.4, Procedure I, II, III (Low Temp Storage -40 °C)  
**Temperature shock:** MIL-STD-810F, Method 503.4, Procedure I (-35 °C/+65 °C)  
**Humidity:** MIL-STD-810F, Method 507.4 (Humidity, 90%RH temp cycle -20 °C/+60 °C)  
**Water:** IP67, MIL-STD-810F, Method 512.4, Procedure I, Water Jet 12.5 mm dia. @ 2.5-3 m, 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 non-volatile NAND Flash 512 MB to 2 GB  
 ~ 50 MB reserved

**Expansion:** 1x SDIO slot (all models), 2nd USB host (800LD), 1x Type II CF slot (800B, 800L, 800X)

**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  
 WLAN: 802.11b/g WPA2  
 WWAN: Quad-band GSM GPRS/EDGE

*\* To ensure best performance when temperatures are below -4 °F (-20 °C), be sure battery is inserted in the device only when in use. When device is not in use at these temperatures, keep batteries in a pocket or stored in a warmer area.*

## CERTIFICATIONS

FCC, CE/R & TTE, IC (Canada), C-Tick  
 RoHS Compliant, PTCRB, GCF Compliant  
 AT&T network compatible  
 Section 508 compliant  
 MIL-STD-461E RE102  
 MIL-STD-461E RS103

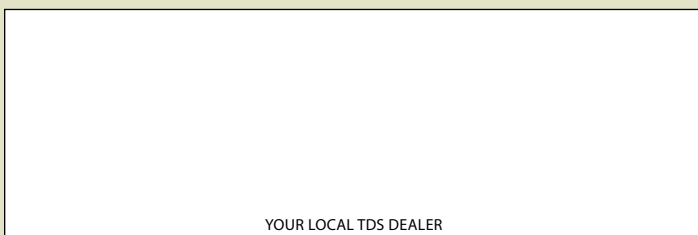


Specifications subject to change without notice.

## NOMAD CONFIGURATIONS

	Flash	Keypad	Card slots	BT	GPS	802.11g	WWAN	Camera	Laser Scanner
800B	512 MB	PDA or Numeric	SD/CF	x					
800L	1 GB	PDA or Numeric	SD/CF	x	x	x			
800LD	1 GB	Numeric	SD/USB	x	x	x			
800LC	1 GB	PDA or Numeric	SD	x	x	x		x	
800LE	1 GB	Numeric	SD	x	x	x		x	x
800X	2 GB	Numeric	SD/CF	x	x	x	x		
800XC	2 GB	Numeric	SD	x	x	x	x	x	
800XE	2 GB	Numeric	SD	x	x	x	x	x	x

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