

## KEY FEATURES

Outdoor rugged design

Long-life battery

806 MHz processor

Integrated GSM WWAN capability

Built-in GPS, bar code scanner and camera options

Integrated Bluetooth, 802.11g wireless capability

Full VGA display

Windows Mobile 6

Small and lightweight



## EVERYTHING YOU WANTED IN AN OUTDOOR RUGGED HANDHELD COMPUTER—BUILT IN.

The Trimble® Nomad® packs even more functionality into one of the most powerful and full-featured rugged handheld computers available. Start with an 806 MHz processor, add 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>. Add an optional integrated laser bar code scanner and color digital camera, then view those images, maps and data on the Nomad handheld's high-resolution, sunlight-visible VGA display in crisp detail.

### Built-in versatility

The Nomad computers many built in capabilities make it easy to collect, save and transmit data in the field. 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. Capture color images with the 2 megapixel digital camera for inspection, maintenance and repair applications. All models come with a Secure Digital (SDIO) slot. Depending on the model, even more capabilities can be added via either a CompactFlash (CF Type II) or a second USB host.

### Tough as the outdoors

Like other Trimble rugged handhelds, the Nomad computer meets rigorous MIL-STD-810F military standards for impact, 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. Trimble rugged handhelds have proven their reliability and lower Total Cost of Ownership (TCO) over consumer grade handhelds<sup>2</sup> 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@trimble.com](mailto:handhelds@trimble.com) for a copy of the TCO White Paper.

# Trimble Nomad handheld computer

## 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
- Notes/Tasks
- Calculator
- Windows Media Player
- Microsoft Pictures and Videos
- Online help
- Contacts/Calendar

## STANDARD ACCESSORIES

- Rechargeable Li-Ion battery module
- Rugged stylus with spring-loaded tip
- Stylus lanyard
- AC charger
- USB data cable
- User's guide
- Hand strap
- Screen protectors
- Getting Started CD with ActiveSync

## OPTIONAL ACCESSORIES

- Carry case
- Deluxe case with belt clip & 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  
 Housing ..... Polycarbonate  
 Color ..... Yellow w/Black or Grey w/Black

## ENVIRONMENTAL SPECIFICATIONS

### Meets or exceeds:

Water ..... Immersed in 1 meter of water for 30 minutes  
 Water Jet 12.5 mm dia. @ 2.5 m-3 m, 100 Liter/min  
 MIL-STD-810F, Method 512.4, Procedure I, IEC-529, IP67

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Sand & dust ..... 8 hours of operation with blowing talcum powder  
 MIL-STD-810F, Method 510.3, Procedures I, II  
 IEC-529, IP67

Drop ..... 26 drops at room temperature 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)  
 MIL-STD-810F, Method 516.5, Procedure IV

Vibration ..... General Minimum Integrity and Loose Cargo test  
 MIL-STD 810F, Method 514.5, Procedure I, II

Operating Temperature ..... -22 °F to 140 °F (-30 °C to 60 °C)  
 MIL-STD 810F, Method 501.4, Procedure II

Storage Temperature ..... -40 °F to 158 °F (-40 °C to 70 °C)  
 MIL-STD 810F, Method 502.4, Procedure I, II, III

Temperature shock ..... -22 °F/149 °F (-35 °C/+65 °C)  
 MIL-STD-810F, Method 503.4, Procedure I

Humidity ..... 90%RH temp cycle 32 °F/158 °F (0 °C/+70 °C)  
 MIL-STD-810F, Method 507.4

Altitude ..... 15,000 ft at 73 °F (5 °C) and 40,000 ft. at -22 °F (-30 °C)  
 MIL-STD-810F, Method 500.4, Procedures I, II, III

## 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

NOMAD CONFIGURATIONS									
	Flash	Keypad	Card slots	BT	GPS	802.11g	WWAN	Camera	Laser scanner
800B	512 MB	PDA/Num	SD/CF	x					
800L	1 GB	PDA/Num	SD/CF	x	x	x			
800LD	1 GB	Numeric	SD/USB	x	x	x			
800LC	1 GB	PDA/Num	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

Color display images shown may vary slightly from actual display. Specifications subject to change without notice.



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