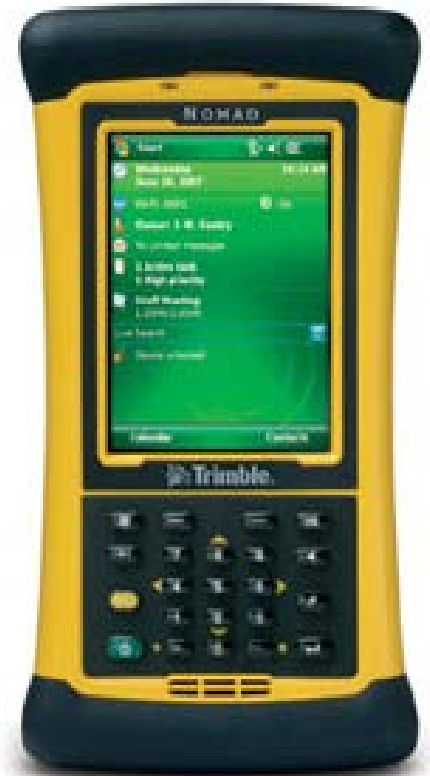# Trimble Nomad Rugged Handheld

The Trimble Nomad 900 Series handheld computer packs functionality into one of the most powerful and full-featured rugged handhelds available. The Nomad features an ultra-fast 806 MHz processor; 128MB RAM; 512MB to 2GB of Flash storage; long-life, hot-swappable battery that can work all day without being recharged; and built-in Bluetooth® to establish cable-free connections to other Bluetooth devices that are within 10 meters. The Nomad also features a high-resolution, sunlight-visible VGA touchscreen display that presents graphics and maps in vivid detail. All models come with a Secure Digital slot. Depending on the model, even more capabilities can be added via a CompactFlash slot.

The Nomad 900 Series makes it simple to gather, save, and send out data with its many built-in capabilities. Optional Nomad 900 configurations include an integrated SiRFstarIII GPS receiver for mapping and navigation applications, optional WWAN and Cisco Certified Wi-Fi for wireless connectivity, an integrated laser barcode scanner to track your assets, and a 5MP digital camera with flash and geotag-enabled software to capture color images in the field with their precise locations stored.

The Nomad is fully rugged and meets demanding MIL-STD-810F military standards for drops, vibration, humidity, altitude, and temperature extremes. It also comes with an IP68 rating, meaning it is completely sealed against dust, and can survive immersion in up to a meter of water for 240 minutes. This handheld computer is truly ready for the outdoors!

Features

- Outdoor rugged design complies with MIL-STD-810F and IP68 standards for drops, vibration, humidity, altitude, and temperature extremes
- Sunlight viewable touchscreen display presents graphics and maps in vivid detail
- Integrated wireless capabilities including Integrated wireless capabilities including GPS, Wi-Fi, WWAN, and Bluetooth
- Expandability options that include compact flash slots for more devices, secure digital memory slot, USB host (3G cellular data modem compatible), and USB Client
- 15-hour Lithium-Ion hot-swappable rechargeable battery to reduce downtime
- Numeric keypad with backlight for use in low-light settings
- 12-month limited warranty

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Your Source For Rugged Mobile Computers

Product Specifications

Operating System:

- Windows Mobile 6.1 (Professional in WWAN models; Classic in all other models)

CPU:

Marvell XScale 806 MHz

Storage:

- 512 MB to 2 GB onboard non-volatile NAND Flash; ~50 MB reserved
- 4GB SD card included with camera models

Memory:

- 128MB DDR SDRAM ~30 MB reserved

Display:

- 480 x 640 pixel (VGA) sunlight-readable 16 bit color TFT touchscreen with LED backlight

Wireless:

- Integrated Bluetooth 2.0
- Optional integrated Quad-band GSM GPRS/EDGE capability
- Optional integrated GPS (SiRFstarIII, WAAS / SBAS Capable, SiRFInstantFixII)
- Optional integrated Wi-Fi wireless capability
- CompactFlash (CF) (Type II) slot (on 900B, 900L and 900X models only)
- Integrated laser 1D barcode scanner
- Integrated digital camera (color, 5 megapixel resolution, with flash)
- 9-pin RS-232 serial connector

I/O Interface / Ports:

- USB host and client
- Headset jack (2.5 mm mono audio and microphone)
- Power
- Optional 9-pin RS-232 serial connector

Expansion Slots:

- CompactFlash (CF) (Type II) slot (900B, 900L, 900X models)
- Secure digital (SDHC) slot (all models)

Integrated Options:

- Integrated Quad-band GSM GPRS/EDGE capability
- Integrated GPS (SiRFstarIII, WAAS / SBAS Capable, SiRFInstantFixII)
- Integrated WiFi wireless capability
- CompactFlash (CF) (Type II) slot (on 900B, 900L and 900X models only)
- Integrated laser 1D bar code scanner
- Integrated digital camera (color, 5MP resolution, with flash)
- Serial boot with 9-pin RS-232 port

Audio:

- Integrated speaker and microphone

Power Supply:

- AC charger
- 5200mAH Lithium-Ion rechargeable pack* - 15-hour battery life with active use (default settings)

Software:

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

Standard Accessories:

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

Other Accessories:

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

Dimensions & Weight:

- 6.92" x 3.92" x 1.96" (17.6cm x 10cm x 5.0cm)
- 21 ounces (596 g) including rechargeable battery

Durability Features:

- MIL-STD 810F and IP67 rated
- Rugged Submersible Design

Environmental Specifications:

- 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, IP68
- 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 4ft (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; MIL-STD 810F, Method 502.4, Procedure I, II, III
- Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C); MIL-STD 810F, Method 501.4, Procedure I; 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: 15,000ft at 73 °F (5 °C) and 40,000ft. at -22 °F (-30 °C); MIL-STD-810F, Method 500.4, Procedures I, II, III

Consider purchasing these additional items to make your new portable computer more efficient, convenient, and a complete mobile solution. Pricing and information specific to your make and model can be found on our website, or you can discuss your options with your sales professional for expert guidance and suggestions. Not all of these additional items are available for all types or brands of portable computer.

Additional RAM Memory: Adding additional RAM memory is often the easiest and least expensive way to upgrade your computer for a significant boost in performance. The computer's RAM memory is its workspace, or where all of the instructions it needs to act on are stored temporarily.

Additional Storage: A computer's hard drive stores your operating system, programs and files. Hard drive space is measured in gigabytes (GB) and the higher the GB level the greater the collective file size of everything you can save on the computer. Some computer models offer spare, removable hard drives, while others offer an external hard drive.

External Drives: Some computer models come with a DVD/CD Multi drive, meaning you can read and write CD's and DVD's. Other computer models require an external USB drive. Also, some manufacturers offer an external floppy disk drive.

Power Options: Having additional power options available will keep you from running out of power at just the wrong time, there are several options available:

Additional AC Adapter – A convenient extra AC Adapter with Power Cord allows you to keep one at home and one at the office, no need to carry it back and forth.

Automobile Adapter – The automobile power adapter, also known as a cigarette lighter adapter, allows you to power your portable computer while in your vehicle, as well as charge your battery. Some of these adapters can also be used on an airplane.

External Battery Charger – The external battery charger allows you to keep your battery charged, it does not come with an AC Adapter – you can use the one that comes with the computer or purchase an additional one.

Spare Batteries - Purchase additional or replacement batteries to ensure you will always have one available. Some computers also have a place for a secondary battery, such as in the media bay. Check with your sales professional if you would like more information on these options for your model.

Mobile Printers and Scanners - A mobile printer or scanner increases your efficiency, no more running back to the office to print documents or receipts or to scan information to your computer. Our lineup of mobile printers are ready to go anywhere, they are small, lightweight, and available in different output sizes. Whether you need a full size page or just a receipt, we have the mobile printer or scanner for you.

Security Options – Keeping your investment secure is a priority, and there are several options available. Depending on the computer & model these include fingerprint scanner, smartcard reader, cable lock slot etc.

ComputraceComplete – (LoJack for your portable computer) – Computrace works behind the scenes to silently and securely contact the Absolute Monitoring Center. Using any type of internet connection, the computer makes contact every 24 hours to report its location. If a computer is reported missing or stolen, the machine is flagged to call in every 15 minutes and then the Absolute Recovery Team goes to work. The team provides law enforcement with tracking information to pinpoint the physical location of the computer and documentation needed to obtain subpoenas and procure search warrants. However, not every computer manufacturer offers computrace.

Targus DEFCON Notebook Computer Locks – The Targus DEFCON Notebook Computer Lock comes in either a cable or key lock. The lock is a 6 ft. steel cable that is cut resistant galvanized steel and can be wrapped around any secure object and attached to your cable lock slot that is built into most notebook computers. Any attempt to remove the lock will visibly damage the computer, preventing resale therefore discouraging theft. Don't let your computer be one of the nearly 1,000 portable computers stolen every day.

Other Accessories – There are many accessory items available to make using your computer more convenient and efficient, as well as user friendly. Some of these items include: carry cases designed for your model, port replicators making it easy

to create a "desktop" environment or adding additional ports to your computer, extra stylus pens so a misplaced or forgotten pen won't slow you down, and protector films to ensure your display screen stays clear and clean.

Vehicle Docks and Mounts - Vehicle mounts hold your computer safely in place and allow for safe and comfortable use while in a vehicle. With custom fit bases, height adjustable poles, and docking station and you can run antennas, use the vehicle battery or add other peripherals for a complete mobile solution.

Warranty Extensions & Upgrades – Some warranty options and upgrades are only available at time of product purchase, but there are some manufacturers that will allow upgrades or extensions to be purchased at a later time.

Product Shots

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