

Trimble Nomad Rugged Handheld

The Trimble Nomad 1050 packs functionality into one of the most powerful and full-featured rugged handhelds available. It features an ultra-fast 1.0GHz processor; 512MB RAM; 8GB onboard non-volatile NAND 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 within 10 meters. It also features a high-resolution, sunlight-visible VGA touchscreen display that presents graphics and maps in vivid detail. Take advantage of the customization possible with USB and Serial ports, SD slot, boots, caps, and integrated options. The Nomad 1050 even provides a choice of two keypads to provide the best possible workflow options for the field. Use it wearing gloves and still collect data and maintain datasets with speed and ease.



Optional configurations include optional WWAN and Wi-Fi for wireless connectivity, an integrated 1D/2D barcode imager with built-in capability to recognize and sort dozens of barcodes at once for efficient asset tracking, a 5MP digital camera with flash and geotag-enabled software to capture high resolution color images in the field with their precise locations stored, and an integrated GPS receiver for mapping and navigation applications. It boasts an advanced Trimble GPS antenna design which reads the full constellation of satellite signals plus SBAS. It gives 2-4 meter positional accuracy, with GPS acquisition in seconds, and works under thick canopy, in canyons or near tall buildings; ideal for both rural and urban data collection requirements.

The Nomad meets demanding MIL-STD-810G 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. With its many built-in capabilities, the Nomad makes it easy for workers to collect, maintain, save, and transmit data in the field!

Features

- Outdoor rugged design complies with military standards (MIL-STD-810G and IP68) for drops, vibration, humidity, altitude, and temperature extremes
- Sunlight viewable touchscreen display presents graphics and maps in vivid detail
- Integrated wireless capabilities including 2-4 meter GPS, Wi-Fi, 3.75G dual-band GSM/CDMA connectivity, and Bluetooth
- 1D/2D barcode imaging, with built-in capability to recognize and sort dozens of barcodes at once
- Wi-Fi Alliance Certification to ensure interoperability with other WLAN products
- Autofocus 5MP camera with geotagging to capture color images in the field and store their locations
- 15-hour, hot-swappable Lithium-Ion battery to reduce downtime
- Choice of keypads and connectors (boots)
- 12-month limited warranty

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Product Specifications

Operating System:

- Microsoft® Windows® Embedded Handheld (WEHH) 6.5

Processor:

- 1.0GHz, Texas Instruments DM3730

Memory/Storage:

- 512MB DDR SDRAM; ~10 MB reserved
- 8GB onboard non-volatile NAND Flash; ~50 MB reserved

Display:

- 480 x 640 pixel full VGA display, sunlight-readable color TFT with touchscreen

Wireless:

- Bluetooth 2.0 + EDR
- WLAN
- Optional Wi-Fi (802.11b/g)
- Optional Integrated Dual-Mode 3.75G GSM /CDMA capability
- Optional Integrated GPS (SiRFstar IV, SBAS (WAAS,EGNOS))

Configuration Options:

- Integrated Dual-Mode 3.75G GSM /CDMA capability
- Integrated GPS (SiRFstar IV, SBAS (WAAS,EGNOS))
- Wi-Fi b/g wireless capability
- USB host slot
- 1D/2D Integrated laser barcode imager using Trimble Scan Agent application
- Integrated digital camera (color, 5 megapixel resolution, with flash)
- Serial boot option with 9-pin RS-232 port
- Docking boot option compatible with Nomad Office Docking Station
- USB Boot option

I/O Interface / Ports:

- USB host and client
- Headset jack (2.5 mm mono audio and microphone)
- Power

Expansion Slots:

- 1x microSD / microSDHC slot (LC,LE,XC,XE models)
- 1x USB host and 1x SDIO / SDHC slot (B, L and X models)

Audio:

- Integrated speaker and microphone

Optional High Speed Barcode Scanner:

- White light illumination and red LED-based aimer for ease of use
- High-motion tolerance to deliver quick imaging responsiveness
- Omni-directional reading capabilities for real world use conditions
- Rapid Scanning Capability for high read rates no matter what the barcode angle or orientation is in relation to the unit
 - 1D supported barcode symbologies:
- EAN/UPC, GS1 Databar (limited expanded & omni-directional), Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved/Matrix/Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes (Australian Post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post)
 - 2D supported barcode symbologies:
- Data Matrix, PDF417, Micro PDF 417, Codablock, Maxicode, QR, Aztec
- Access to other valuable tools such as:
 - Multicode reading
 - data editing
 - image capture
 - scanning barcodes on mobile phone screens
 - illumination, aiming, presentation modes

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
- USB data cable
- USB boot

Other Accessories:

- UHF RFID accessory reader (works with all Nomad 1050 models)
- Office Docking Station
- Carry case
- Extended cap for customized solutions
- Deluxe case with belt clip & neck strap
- Range pole bracket
- 12 V vehicle charger
- Serial interface cable
- Vehicle mount
- AA battery module
- Spare battery charger

Power Supply:

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

Dimensions & Weight:

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

Certifications:

- FCC
- CE
- R & TTE
- IC (Canada)
- A-Tick
- C-Tick
- RoHS Compliant
- PTCRB
- SAR
- GCF Compliant
- AT&T network certified
- Verizon
- Section 508 compliant
- Wi-Fi Alliance certified
- MIL-STD-810G
- IP68

Durability Features:

- MIL-STD 810G and IP68 rated
- Rugged Submersible Design

Environmental Specifications:

- Water: Survives IP-X8, immersion at 2m (6.6 ft) for 1 hour IEC-60529, Survives IP-X6, water jet 12.5mm dia @ 2.5-3m (8-10ft)
- Dust: Protected against dust, IEC-60529 IP-6X, dust chamber under-pressure
- Drops: Survived multiple drops of 1.2m (4ft), MIL-STD-810G, Method 516.6, Procedure IV, Transit Drop
- Operating Temperature: -30 °C to 60 °C (-22 °F to 140 °F), MIL-STD-810G, Method 502.5, Procedure I, II, III (Low Temp Operating -30 °C); Method 501.5, Procedure I & II (High Temp Operating 60 °C)
- Storage Temperature: -40 °C to 70 °C (-40 °F to 158 °F), MIL-STD-810G, Method 502.5, Procedure I, II, III
- (Low Temp Storage -40 °C); Method 501.5, Procedure I & II (High Temp Storage 70 °C)
- Temperature Shock: Cycles between -30 °C and 60 °C (-22 °F and 144 °F), MIL-STD-810G, Method 503.5, Procedure I-C
- Humidity: 90% relative humidity with temperatures between -30 °C and 60 °C (-22 °F and 144 °F), MIL-STD-810G, Method 507.5, Procedure II
- Altitude: 4,572 m (15,000 ft) at 23 °C (73 °F) to 12,192 m (40,000 ft) at -30 °C (-22 °F), MIL-STD-810G, Method 500.5, Procedure I, II & III
- Vibration: General minimum integrity and loose cargo tests, MIL-STD-810G, Method 514.6, Procedure I & II, Category 5
- Solar Exposure: Survives prolonged UVB exposure, MIL-STD-810G, Method 505.5, Procedure II
- Chemical Exposure: Resistant to mild alkaline and acid cleaning solutions, fuel hydrocarbons, alcohols and common vehicle and factory machine lubricants

Warranty:

- 12-month limited warranty

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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