

Trimble Nomad 1050

Proven Trimble reliability packed with today's top handheld features

Efficiency features for every workflow

The Trimble® Nomad® 1050 rugged handheld computer's many built-in capabilities make it easy to collect, maintain, save and transmit data in the field. It provides all the features mobile workers need, including: a lithium-ion battery with more than 15 hours of continuous use, 8 GB storage, and a high-resolution, sunlight-readable VGA color display to show images, maps and data in crisp detail.

For communications, Nomad offers a full range of integrated wireless capabilities from Bluetooth® to optional 3.75G dual-band GSM/CDMA connectivity.¹

The Nomad 1050 includes Microsoft® Windows® Embedded Handheld 6.5 office software for field compatibility with most back-office applications.

Take advantage of the workflow customization possible with USB and Serial ports, SD slot, boots, caps, and integrated options. Use it wearing gloves and still collect data and maintain your datasets with speed and ease.

The Nomad 1050 boasts an advanced Trimble GNSS 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.



KEY FEATURES



Outdoor rugged design

Outdoor rugged design certified to MIL-STD-810G and IP68



Windows Embedded Handheld 6.5

Standardized development platform & Information Systems Management ease



Connectivity

Enhanced Wi-Fi, 3.75G GSM/CDMA data option & Integrated Bluetooth wireless



Camera

Improved color digital camera with flash and geotagging

STANDARD FEATURES

- Microsoft® Windows® Embedded Handheld (WEHH) 6.5 Professional, available in English, Spanish, French, German, Italian, Japanese, Korean, Portuguese (Brazilian), Russian, or Chinese (Simplified)
- Processor: 1 GHz, Texas Instruments™ DM3730
- 512 MB DDR SDRAM
- 8 GB non-volatile Flash storage
- Full VGA sunlight-readable color TFT display
- Resistive Touchscreen
- Rugged submersible design (prolonged immersion in water at 1 meter depth)
- IP68 and MIL-STD-810G
- Integrated speaker and microphone
- Bluetooth® 2.0 + EDR
- SDIO/SDHC or a micro SD/SDHC slot
- Notification LEDs
- USB host and client
- Headset jack (2.5 mm mono audio and microphone)
- 15-hour battery life (in active use with default settings)
- Keypad backlight for night use
- 12-month limited warranty

CONFIGURATION OPTIONS (See Nomad Configurations table below for details)

- Integrated Dual-Mode 3.75G GSM /CDMA capability
- Integrated GPS (SiRFstar IV, WAAS/SBAS capable)
- Wi-Fi b/g wireless capability
- 1D/2D Integrated laser barcode imager using Trimble Scan Agent application
- Integrated digital camera (color, 5 megapixel resolution, with flash)

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
- Orientation Guide
- Rugged stylus with spring-loaded tip
- Hand strap
- Stylus lanyard
- Screen protectors
- AC charger and international adapters
- USB data cable
- Docking Station Boot
- 8GB Memory Card
- Standard Cap
- Docking boot option compatible with Nomad Office Docking Station

OPTIONAL ACCESSORIES

- Deluxe Carry Case w/ belt clip & neck strap
- 12 V vehicle charger
- Vehicle mount
- AA battery module
- Serial boot option with 9-pin RS-232 port

PHYSICAL

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

ENVIRONMENTAL SPECIFICATIONS

- Meets or exceeds:
- 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 oC to 60 oC (-22 oF to 140 oF), MIL-STD-810G, Method 502.5, Procedure I, II, III (Low Temp Operating -30 oC); Method 501.5, Procedure I & II (High Temp Operating 60 oC)
- Storage Temperature: -40 oC to 70 oC (-40 oF to 158 oF), MIL-STD-810G, Method 502.5, Procedure I, II, III (Low Temp Storage -40 oC); Method 501.5, Procedure I & II (High Temp Storage 70 oC)
- Temperature Shock: Cycles between -30 oC and 60 oC (-22 oF and 144 oF), MIL-STD-810G, Method 503.5, Procedure I-C
- Humidity: 90% relative humidity with temperatures between -30 oC and 60 oC (-22 oF and 144 oF), MIL-STD-810G, Method 507.5, Procedure II
- Altitude: 4,572 m (15,000 ft) at 23 oC (73 °F) to 12,192 m (40,000 ft) at -30 oC (-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

ELECTRICAL

- **Processor:** 1.0 GHz, Texas Instruments DM3730
- **Memory:** 512 MB DDR SDRAM; ~10 MB reserved
- **Storage:** 8 GB onboard non-volatile NAND Flash; ~50 MB reserved
- **Expansion:** 1x MicroSD /SD or SDHC slot (LC,LE,X-C,XE models). 1x USB host and SDIO slot (B, L and X models)
- **Display:** 3.5", 480 x 640 pixel (full VGA) 16-bit color TFT with LED backlight
- **Batteries:** 5200 mAh Li-ion rechargeable module²
- **I/O:** USB host and client, power, headset jack
- **GPS accuracy:** 2-4 m (6-13 feet) SBAS corrected³
- **Radios:** Bluetooth 2.0 + EDR; WLAN: Wi-Fi (802.11b/g); WWAN: Dual Mode 3.75G GSM/CDMA

Nomad Configurations							
	BT	GPS	Wi-Fi	WWAN	Camera	Barcode scanner	
1050B	X						
1050L	X	X	X				
1050LC	X	X	X		X		
1050LE	X	X	X		X	X	
1050X	X	X	X	X			
1050XE	X	X	X	X	X	X	

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

2. To ensure best performance when temperatures are below -20 °C (-4 °F), 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.

3. 2-4 m (50%-95%) accuracy determined using Horizontal Root Mean Squared method - Open Sky. Specifications subject to change without notice.

© 2015, Trimble Navigation Limited. All rights reserved. Trimble and the Globe & Triangle logo and Nomad are trademarks of Trimble Navigation Limited registered in the United States and in other countries. Windows and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. All other brand names and trademarks are property of their owners. PN 82525-02 (7/28/15)



U.S.A : Trimble Navigation Limited
 3501 Jamboree Road
 Irvine, California 92660
 +1 (949) 892-6120

R.o.W : Trimble Navigation Limited
 NSC Campus, Mahon,
 Cork Ireland
 +353 21 230 9328

water@trimble.com
 www.trimblewater.com

