



KEY FEATURES

At a price point to equip your entire mobile workforce

Integrated CompactFlash GPS for a totally cable-free solution

2 to 5 meter GPS accuracy postprocessed

Windows Mobile version 6 operating system

Choice of field software to suit your workflow



ULTRA-RUGGED HANDHELD WITH INTEGRATED GPS

The Trimble® Recon® GPS XC edition is a highly convenient GPS solution for field data collection and mobile GIS. The all-in-one system combines a Trimble Recon handheld with a CompactFlash card-based GPS Pathfinder® XC receiver under the Trimble Recon handheld's extended cap.

Cost effective and convenient

The Trimble Recon GPS XC edition provides the same rugged, weatherproof performance you've come to expect from the Trimble Recon handheld, and with a CompactFlash GPS receiver hidden under the handheld's extended cap, you have nothing else to carry.

The Trimble Recon handheld includes built-in Bluetooth wireless technology and wireless LAN, to connect to a range of peripherals or to a Wi-Fi network to send or receive data.

Because it is so convenient and affordable, the Trimble Recon GPS XC edition is an ideal solution for utility companies, government organizations, and natural resource agencies that are managing large deployments and tight budgets. The Trimble Recon GPS XC edition has been specifically designed to provide positions in hostile environments, such as under forest canopy and up against buildings.

Postprocessed accuracy

If you need better accuracy than you can achieve autonomously, you can postprocess your data with Trimble's GPS Pathfinder Office software or the Trimble GPS Analyst™ extension for ESRI ArcGIS Desktop software. Postprocessing delivers reliable 2 to 5 meter accuracy and is the best way to control the quality and consistency of your data.

Industry standard software

Because the Trimble Recon GPS XC edition comes with the industry standard Windows Mobile® version 6 operating system, you get all the benefits of an open platform for

mobile devices. You can run the software that best suits your application, whether off-the-shelf or purpose built. And with the Windows Mobile version 6 operating system, all your data and applications reside in persistent storage, so they are secure even in the event of power loss.

The Windows Mobile 6 operating system includes familiar Microsoft productivity tools such as Word Mobile, Excel Mobile, Internet Explorer Mobile, and Outlook® Mobile, as well as increased security features.

Part of the Trimble product family

As part of Trimble's family of rugged GPS solutions, the Trimble Recon GPS XC edition is compatible with Trimble software solutions for GIS data collection and maintenance. The Trimble Recon GPS XC edition will work with Trimble's TerraSync™ software, the Trimble GPScorrect™ extension for ESRI ArcPad software, or with applications designed with the GPS Pathfinder Tools Software Development Kit (SDK).

Maximize the productivity of your entire mobile workforce with the Trimble Recon GPS XC edition. Because it's a Trimble solution, you have a single point of contact for service and support, taking the hassle out of owning your equipment. And you can rest assured you have the quality and reliability that Trimble represents.

Trimble Recon GPS XC edition

STANDARD FEATURES

Trimble Recon handheld

- Windows Mobile version 6 operating system
- 1 x Type I and 1 x Type I/II CompactFlash (CF) slots for memory expansion and the addition of accessories
- Outdoor color display
- Rugged and waterproof design
- Integrated speaker and microphone
- Rugged Extended CF-Cap™
- 400 MHz Intel PXA255 XScale processor
- 256 MB non-volatile Flash data storage
- Integrated Bluetooth®¹ wireless technology for connectivity to other devices
- Integrated 802.11g wireless LAN for local network connectivity

GPS RECEIVER

- Integrated GPS receiver and antenna
- 2 to 5 meter accuracy after differential correction (postprocessed)²
- NMEA and SiRF protocol support

Software

- Microsoft® ActiveSync®, Microsoft Office Mobile (Word Mobile, Excel Mobile, OneNote Mobile, PowerPoint Mobile), Internet Explorer Mobile, File Explorer, Windows Live® Messenger, Windows Media Player, Pictures & Videos, Outlook Mobile, Contacts, Calendar, Tasks, Calculator
- Transcriber (handwriting recognition)
- **Accessories**
- International AC battery charger (100–240 V)
- Screen protectors (2-pack)
- 2 stylus pens
- Getting Started Guide (Trimble Recon Handheld and GPS Pathfinder XC receiver)
- Getting Started Disc
- Hand strap
- USB data cable

OPTIONAL FEATURES

Software

- TerraSync software
- Trimble GPSCorrect extension for ESRI ArcPad software
- GPS Pathfinder Tools Software Development Kit (SDK)
- GPS Pathfinder Office software
- Trimble GPS Analyst extension for ESRI ArcGIS Desktop software

Accessories

- 12 V vehicle charging cable
- Socket Communications Bluetooth¹ kit
- Optical CF-Cap
- Range pole bracket
- AA PowerBoot™ module

TECHNICAL SPECIFICATIONS

Physical

Size 22.5 cm x 9.5 cm x 4.5 cm (8.85 in x 3.75 in x 1.75 in)
Weight 0.58 kg (1.28 lb) with battery module
Processor 400 MHz Intel PXA255 XScale CPU
Memory Nonvolatile NAND Flash 256 MB (~31 MB reserved)
Battery Internal 3800 mAh NiMH, rechargeable in unit

Environmental

Operating temperature -10 °C to +50 °C (14°F to +122 °F)
Storage temperature -20 °C to +60 °C (-4 °F to +140 °F)
Humidity MIL-STD-810F, Method 507.4
Sand and dust IP67, MIL-STD-810F, Method 510.4, Procedures I and II
Water IP67, sealed against accidental immersion (1 m for 30 min.)
MIL-STD-810F, Method 512.4, Procedure I
Drop 1.22 m (4 ft), MIL-STD-810F, Method 516.5, Procedure IV
Vibration Vibration resistant, MIL-STD-810F, Method 514.5
Altitude MIL-STD-810F, Method 500.4, Procedures I, II & III
15,000 ft at 73 °F (23 °C)

Input/output

Expansion 1 x Type I CF slot (used by GPS Pathfinder XC receiver)
1 x Type II CF slot,
Extended CF-Cap seal protects from rain, wind, and dust
Display 240 x 320 pixel (¼ VGA) color TFT with LED front light
Interface TFT touch screen, 10 hardware control keys
Soft Input Panel (SIP) virtual keyboard and Transcriber software
Audio system events, warnings, and notifications
Communications Bluetooth¹, 802.11g wireless LAN
DE9 (M) RS-232 serial port, USB-slave port

GPS

Channels 12 (L1 code only)
Update rate 1 Hz
Time to first fix 40 seconds (typical)
Protocols SiRF
NMEA v2.20
GGA, GSA, and RMC at 1 second, GSV at 5 second
NMEA output at 4800 bps, 8, 1, None

Accuracy (HRMS)³ after differential correction

Code postprocessed 2–5 m

1 Bluetooth type approvals are country specific. The Trimble Recon handheld has Bluetooth approval in the U.S., Canada, the EU, Australia, and New Zealand. For other countries please consult your local Distributor.

2 The Trimble Recon GPS XC edition is not specified to provide real-time SBAS (WAAS/EGNOS) differential correction. The Trimble Recon GPS XB edition is recommended for applications requiring SBAS support.

3 Horizontal Root Mean Squared accuracy. Requires data to be collected using horizontal mounting, minimum of 4 satellites, PDOP mask at 99, SNR mask at 12 dBHz, elevation mask at 5 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Accuracy varies with proximity to base station by +1 ppm for postprocessing and real-time.

Specifications subject to change without notice.

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