



Trimble Recon GPS Card edition

KEY FEATURES

At a price point to equip your entire field workforce

Integrated GPS handheld for a totally cable-free solution

Microsoft Windows Mobile 2003 software for Pocket PCs

Rugged and reliable handheld with all-day battery

Works with TerraSync software for powerful GIS data collection and maintenance



BEST VALUE ULTRA-RUGGED HANDHELD WITH INTEGRATED GPS

The Trimble® Recon™ GPS Card edition is quite simply the best value ultra-rugged GPS handheld available. Providing 5 to 10 meter GPS position accuracy in a totally cable-free system, it's perfect when you need GPS data but can't afford to compromise on convenience.

Affordable and reliable

Based on the field-proven Trimble Recon handheld, the Trimble Recon GPS Card edition provides the same rugged, weatherproof performance you've come to expect. But, with a CompactFlash GPS receiver hidden under the Recon handheld's extended cap, you have all the advantages of a convenient and reliable GPS solution for your field work. Designed for affordability, the Trimble Recon GPS Card edition is ideal for utility companies, government organizations and natural resource agencies that need to outfit an entire mobile workforce on a tight budget.

Industry-standard software

The Trimble Recon GPS Card edition comes with the industry standard Microsoft® Windows Mobile™ 2003 software for Pocket PCs so you get all the benefits of an industry-standard open platform for mobile devices. You can run any Windows Mobile 2003-compatible software, including the GIS field software that suits your needs.

Windows Mobile 2003 software includes familiar Microsoft productivity tools, such as Pocket Word, Pocket Excel, Pocket Internet Explorer, and Pocket Outlook®. With full synchronization of e-mails, contacts, appointments, and data with your office computer, you have the most up-to-date data whether you're in the office or in the field.

Receive a free copy of Microsoft Streets & Trips¹ 2005 software with your Trimble Recon GPS Card edition, and take

advantage of comprehensive map and travel information for easy navigation and route planning.

Works where you work

Forget lost or tangled cables, with an all-in-one solution you have the ultimate in convenience. You can keep working all day, thanks to its powerful long-lasting battery and the rugged and waterproof Trimble Recon GPS Card edition won't let you down even in the harshest conditions.

Part of the Trimble product family

As part of Trimble's family of rugged GPS solutions, the Trimble Recon GPS Card edition is compatible with Trimble software solutions for GIS data collection and maintenance—designed for a seamless workflow between the field and the office. The Trimble Recon GPS Card edition will work out-of-the-box with Trimble's TerraSync™ software and applications designed with the GPS Pathfinder® Tools Software Development Kit (SDK).

And 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.

Maximize the productivity of your entire mobile workforce with the affordable integrated GPS handheld—the Trimble Recon GPS Card edition.

¹ Microsoft Streets & Trips 2005 software available in U.S. and Canada; Microsoft AutoRoute™ 2005 software in Europe.

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STANDARD FEATURES

System

- Microsoft Windows Mobile 2003 software for Pocket PCs
- 200 MHz Intel XScale processor
- 64 MB non-volatile Flash data storage
- Outdoor color display
- Rugged and water-resistant design
- All-day internally rechargeable battery
- CompactFlash expandability for memory or Bluetooth® cards

GPS

- 5 to 10 meter accuracy
- NMEA protocol support

Software

- Microsoft ActiveSync®, Calculator, File Explorer, Internet Explorer, Pictures, Pocket Excel, Pocket Outlook (Inbox, Calendar, Contacts, Notes, Tasks), Pocket Word, Windows® Media Player
- Bluetooth File Transfer
- Sprite Pocket Backup
- Transcriber (handwriting recognition)
- Microsoft Streets & Trips/AutoRoute 2005 software

Accessories

- International AC re-charger (100–240 V)
- 10 screen protectors
- 2 stylus pens
- Getting Started Guide
- Hand strap
- Microsoft ActiveSync for desktop PC
- USB data cable
- Assembly Guide

OPTIONAL FEATURES

Software

- TerraSync software
- GPS Pathfinder Tools Software Development Kit (SDK)

Accessories

- 12 V vehicle charging cable
- Socket Communications Bluetooth kit
- AA PowerBoot™ module

TECHNICAL SPECIFICATIONS

Physical

Size 22.5 cm × 9.5 cm × 4.5 cm (8.85 in × 3.75 in × 1.75 in)
Weight 0.58 kg (1.28 lb) with battery module
Processor 200 MHz Intel PXA255 XScale CPU
Memory 64 MB high-speed SD-RAM, ~5.8 MB reserved
Onboard non-volatile NAND Flash
(64 MB internal Flash disk, ~16 MB reserved)
Battery Internal 3800 mAh NiMH, rechargeable in unit

Environmental

Temperature
Operating –10 °C to +60 °C (14 °F to +140 °F)
Storage –40 °C to +70 °C (–40 °F to +158 °F)
Humidity MIL-STD-810F, Method 507.4
Sand and dust IP67, MIL-STD-810F, Method 510.4, Procedures I and II
Water IP67, 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

Input/output

Expansion 1 × Type I CompactFlash slot (used by Recon GPS CF card)
1 × Type II CompactFlash slot
Extended CF-Cap seal protects from rain, wind, and dust
Display 240 × 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 DE9 (M) RS-232 serial port, USB-slave port

GPS

Channels 12 (L1 code)
Update rate 1 Hz
Time to first fix 40 seconds (typical)
Protocols NMEA (GGA, GSA, GSV, RMC)

Accuracy (HRMS)¹

Autonomous 5–10 m

¹ Horizontal Root Mean Squared accuracy. Requires data to be collected with minimum of 4 satellites, maximum PDOP of 6, minimum SNR of 20 dBHz, minimum elevation of 15 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.

Specifications subject to change without notice.

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