Socket GPS Receiver

Cordless

with Bluetooth® Wireless Technology

Cable-Free GPS Receiver Connects Without Any Cables

Add GPS to your *Bluetooth* Enabled Pocket PC

If you have a Pocket PC or other device enabled with *Bluetooth*, now you can take advantage of your device's *Bluetooth* capability to wirelessly add GPS positioning technology.

Whether you're a holiday traveler and need to navigate your journey, or a field service worker and need to report your location, this is the perfect solution. It's great for both consumers and corporate users to benefit from the many positioning applications now available for Pocket PCs. Use it for vehicle tracking, marine navigation, aviation, topography or street-level navigation. If you have mobile Internet access, you can even combine GPS with online maps.

It's easy to add *Bluetooth* to a Pocket PC via Socket's Connection Kit with *Bluetooth* Wireless Technology (SDIO or CF). Pair it with Socket's GPS Receiver and a *Bluetooth* enabled phone, and you can have a real-time navigational system with access to maps on the Internet.

No Cards or Cables Means No Hassles

Before, adding GPS to a Pocket PC meant using an obtrusive GPS receiver or troubling with messy cords and antennas — reducing the portability of your Pocket PC. Besides adding bulk and weight to your Pocket PC, these solutions also consumed power from your Pocket PC. Plus you had to assemble the different gadgets every time you used them. Using *Bluetooth* to wirelessly add GPS eliminates all of these inconveniences.

No cables also means you can position the GPS Receiver for optimal satellite reception. You can set the GPS Receiver at the very front of your dashboard, while keeping the Pocket PC wherever it's easiest for you to view and use. This lets you devote your hands to using your Pocket PC or driving your vehicle, instead of juggling devices.

The unit is small and lightweight for maximum portability. The rechargeable battery lasts for nine hours of continuous use.

socket

FEATURES

GPS Features

- 16 Channels; position accuracy of 5 meters SEP RMS, without SA
- Supports NMEA-0183 (v2.30)

Bluetooth Features

- Works with most *Bluetooth* enabled devices - any with Serial Port Profile
- *Bluetooth* 1.1 certified, with a Class 2 *Bluetooth* radio

General Features

- Small, sleek, and lightweight design easily fits in your hand
- Three LEDs on device indicate *Bluetooth*, GPS, and battery status
- Rechargeable removable lithium-ion battery lasts for 9 hours of use
- On/off switch
- GPS Nav Kit with *Bluetooth* Wireless Technology (available separately) includes the GPS Receiver and in-car navigation software
  - Kit for North America: SKU# GP0822-523
  - Kit for Western Europe: SKU# GP0824-525

Possible Applications

- Vehicle tracking
- Marine navigation, aviation
- Topography
- Street-level navigation
  - In-car navigation
  - Door-to-door routing
  - Points of interest

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Socket GPS Receiver and Dell Axim X3 Pocket PC, shown with Socket SDIO Connection Kit with *Bluetooth* Wireless Technology*

GPS Receiver with *Bluetooth* Wireless Technology

SKU# GP0820-521

*Connection Kit and GPS software available separately

SPECIFICATIONS

General Characteristics:
Dimensions: 50 x 84 x 20 mm
Mass: 71 g

Chipset: u-blox ANTARIS®
Frequency: L1, 1.57542 MHz
C/A: 1.023 MHz chip rate
Channels: 16 Channels
Antenna Type: Built-in Ceramic patch

Accuracy (without DGPS):
Position without SA: 2.5 m CEP, 5.0 m SEP
Position aided with SBAS (WAAS, EGNOS, etc.): 2.0 m CEP, 3.0 m SEP

CEP = Circular Error Probability. The radius of a horizontal circle, centered at the antenna's true position, containing 50% of the fixes.

SEP = Spherical Error Probability. The radius of the sphere, centered at the true position, contains 50% of the fixes.

Dynamic Conditions (COCOM restrictions):
Altitude: < 18,000 m
Velocity: < 515 m/sec
Accleration: < 4 g

Environmental:
Operating Temperature: 0°C to +60°C
Storage Temperature: -20°C to +60°C
Rel. Humidity: 45% to 85%, non-condens.

Interface:
Connection: Communication with host platform via *Bluetooth* Serial Port Profile
Default Protocol: NMEA-0183 V2.30

Power Source:
Removable rechargeable lithium ion battery with 5V DC input charging circuit

Operation Time:
9 hrs typical after full charge, continuous mode, 25°C

Note: For lithium-ion battery technology, expect the time to be reduced by 20% for high or low temperature usage. Also, battery capacity will drop by about 20% per year.

Accidental Drop Specification:
Can withstand 30 accidental drops from 5 feet to a concrete surface. Device will continue to function but no guarantee of scratches or chips.

Possible Applications:
- Support included for: In-car navigation, door-to-door routing, points of interest
- Other possible applications (not included): vehicle tracking, marine navigation, aviation, topography

Product Warranty: Three years

For Additional Product Information:
Website: www.socketcom.com
Email: info@socketcom.com
FTP: ftp.socketcom.com

Sales Offices:
Corporate Headquarters:
Phone: 510-744-2700
Domestic Toll Free: 800-552-3300
Fax: 510-744-2727
Email: www.socketcom.com/contact

Corporate Headquarters:
Socket Communications, Inc.
37400 Central Court, Newark, CA 94560
Phone: 510-744-2700
Fax: 510-744-2727
www.socketcom.com

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