



Serial GPS Receiver

GPS Receiver for use with Vehicle Docking Cradles

LinksPoint's **Serial GPS Receiver** is designed for use with vehicle cradles for mobile computers. The **Serial GPS Receiver** features an external GPS receiver/antenna unit that can be plugged directly into the vehicle cradle. This allows GPS data to be transmitted to the mobile computer when it is docked in the cradle.

The **Serial GPS Receiver** offers two power options: for all cradles it can be powered by an external cigarette lighter adapter and for cradles with available serial power the receiver can draw power directly from the cradle.

The LinksPoint **Serial GPS Receiver** is a proven solution that has been tested for compatibility with many mobile computers to deliver accurate GPS location information for your mobile data solutions. The **Serial GPS Receiver** includes LinksPoint's *GlobalPoint GPS* configuration and test software.

Chipset

GPS Chipset:	SiRFstarIII
Chipset Processor:	ARM7/TDMI - 49MHZ
Receiver Frequency:	L1, CA code
Signal Acquisition:	1920 time/frequency search channels
Channels:	12 Channels; all-in-view tracking
Max. Update Rate:	10Hz
Sensitivity:	-159dBm
Differential GPS	WAAS & EGNOS enabled



Acquisition Rate & Protocols

Reacquisition:	100msec
Hot Start:	<1 seconds
Warm Start:	<38 seconds
Cold Start:	<42 sec
Protocol Default:	NMEA-0183
Programmable:	Additional NMEA- VTG, GLL / SiRF Binary

Dynamic Conditions

Altitude:	<18,000 meter
Velocity:	< 515 meter/second
Acceleration:	<4g



Supported Operating Systems

Windows Mobile5.0; Windows Mobile 5.0 Phone Edition; Windows Mobile 2003; Windows Mobile 2003 Phone Edition

Accuracy

GlobalPoint GPS receivers offer typical accuracies of 3-5 meters uncorrected, and 3 meters or better with correction.*

User Environment

Operating Temperature:	-20°C to +50°C
Storage Temperature:	-40°C to 70°C
Humidity:	5% to 95%, non-condensing
Water Seal:	IPX7

Physical Characteristics

Depth:	62mm
Width:	46.1mm
Height:	18mm
Weight:	95g
Power Draw:	80mA at 3.3-5.5v

For more information on LinksPoint's **Serial GPS Receiver**, contact us at +1 **203-853-4600**, or email us at **sales@linkspoint.com**.

Part Numbers

LP01631:	With Cigarette Lighter Adapter
LP01632:	With Serial Power Cable - For cradles with power out on DB9 Pin 9
LP01633:	RJ45 connector for BlackBay VMC2500 cradle
LP01634:	direct wire cable for 12V-24V electrical systems
LP01635:	USB for use with laptops and tablet computers

* Accuracy subject to degradation based on environmental and positional conditions. Rated accuracy provides 95% Circle Error Probability (CEP) position accuracies of <5 meters with WAAS correction and <10 meters uncorrected. Other product names mentioned may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.