



# Serial GPS Receiver



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## GPS Receiver for Symbol® MC90XX & MC70 with Vehicle Cradles

LinksPoint's **Serial GPS Receiver** is designed for use with vehicle cradles for Symbol MC90XX and MC70 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 MC70 cradles with available serial power the receiver can draw power directly from the cradle.

The LinksPoint **Serial GPS Receiver** is *Symbol Plus* validated for compatibility with Symbol 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



### 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 WAAS 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** for MC90XX and MC70 mobile computers, contact us at **203-853-4600**, or email us at **sales@linkspoint.com**.

### SymbolPlus Part Numbers

LP11631:	With Cigarette Lighter Adapter - MC90XX/MC70
LP11632:	With Serial Power Cable - MC70 w/ext serial power

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**SymbolPlus** product validation is reserved for "best in class" peripherals that have been tested for quality, reliability, service and system interoperability with Symbol mobile computers. LinksPoint's GlobalPoint GPS for MC90XX has been tested under Symbol's guidelines to ensure compliance with the program.

\* 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. Symbol® is a registered trademark of Symbol Technologies, Inc. Other product names mentioned may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.