



# LinksPoint Serial GPS Receiver/ Data Logger




The LinksPoint Serial GPS Receiver/Data Logger is designed for use with vehicle docking cradles for mobile computers. It provides streaming GPS data to mobile computers docked in the cradle for use with applications such as navigation or vehicle tracking. It also features built-in memory that allows location data to be collected and stored whether or not the mobile computer is in the docking cradle for "breadcrumbing" and "store and forward" applications. The Serial GPS Receiver/Data Logger is designed to be connected to vehicle docking cradles with a DB9 connector and to be wired in to the vehicle's electrical system.

## Industry Leading GPS Performance

- 20 Channel GPS Receiver with all-in-view satellite tracking.
- Signal acquisition using 200,000 effective correlators for fast time To First Fix (TTFF).
- Supports WAAS and EGNOS (Europe).
- Multipath-mitigation hardware.
- Cold Start under 45 seconds; Hot Start under 8 seconds.
- 32mb flash memory for logging (up to 400,000 GPS points).

## Specifications

### Chipset

GPS Chipset:	SiRFstarIII	
Chipset Processor:	ARM7/TDMI - 49MHZ	
Receiver Frequency:	L1, CA code	
Signal Acquisition:	200,000 effective correlators for fast Time To First Fix (TTFF)	

Channels:	20 Channels
Max. Update Rate:	1 Hz
Sensitivity:	-159dBW
Differential Correction:	WAAS/EGNOS

### Logging

- Memory: 32mb
- Maximum Storage: 400,000 data points

### Acquisition Rate & Protocols

Reacquisition:	100msec
SnapStart	<3sec
Hot Start:	<8 seconds
Warm Start:	<38 seconds
Cold Start:	<45 sec
Protocol Default:	NMEA-0183

### Interface

- Connection: PS/2 from unit with included PS/2 to DB9 connector and direct wire power cable.
- Protocol: Default: NMEA-0183 (V2.20)- GGA(1), GSA(1), GSV(5), RMC(1)

### Physical Characteristics

- Size: 56 mm x 28 mm
- Weight: 85 grams
- Power: 7-14V DC input

### Dynamic Conditions

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

### Environmental

- Operating Temperature: -10°C to +85°C
- Water Seal: IPX7 equivalent

### Accuracy

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

### Part Number

- LP01812

For more information on the LinksPoint Serial GPS receiver/data logger, contact us at **203-853-4600** or email us at [sales@linkspoint.com](mailto:sales@linkspoint.com).

### RouteTrak Software for GPS "Breadcrumbing"

Pair your Serial Data Logger with LinksPoint's *RouteTrak* "breadcrumbing" software for greater visibility into, and control over, your field operations. For more information on **RouteTrak**, see [www.linkspoint.com/routetrak.asp](http://www.linkspoint.com/routetrak.asp)

\*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.