

GI020**Serial GPS Receiver**

with Power on Pin 9 DB9 Cable

SiRFstarIII serial GPS receiver for use with vehicle cradles offering 5v DC power out on DB9 pin 9. Includes GPS receiver and connector cable.

Technical Specifications**> Receiver**

| | |
|---------------------|---|
| GPS Chipset: | SiRFstar III |
| Chipset Processor: | ARM7/TDMI – 49MHZ |
| Frequency: | L1, CA code |
| Signal Acquisition: | 1920 time/frequency search channels |
| Channels: | 20 Channels; all-in-view tracking |
| Max. Update Rate: | 1Hz |
| Sensitivity: | -159dBm |
| DGPS Source: | Default: WAAS/EGNOS |
| System Back Up: | Built-in Lithium-Ion rechargeable battery |
| Antenna Type: | Built-in Antenna |

> Acquisition Rate

| | |
|----------------|-------------|
| Reacquisition: | 100msec |
| Hot Start: | <1 second |
| Warm Start: | <38 seconds |
| Cold Start: | <42 sec |

> Protocol

| | |
|---------------|------------------------------|
| Default: | NMEA-0183 |
| Programmable: | NMEA- VTG, GLL / SiRF Binary |

> Power

| | |
|-------------------|--------------------------------|
| Draw: | 80mA at 3.3V; DC power adaptor |
| Internal Battery: | 3v (for GPS module only) |

> Dynamic Conditions

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

> User Environment

| | |
|------------------------|---------------------------|
| Water Seal: | IPX7 |
| Operating Temperature: | -20°C to +60°C |
| Storage Temperature: | -40°C to 70°C |
| Humidity: | 5% to 95%, non-condensing |

For more information on the GI020 Serial GPS with Power on Pin 9 Cable, contact

OrbitGPS at sales@OrbitGPS.com or +1.203.654.7720

**> Physical Characteristics**

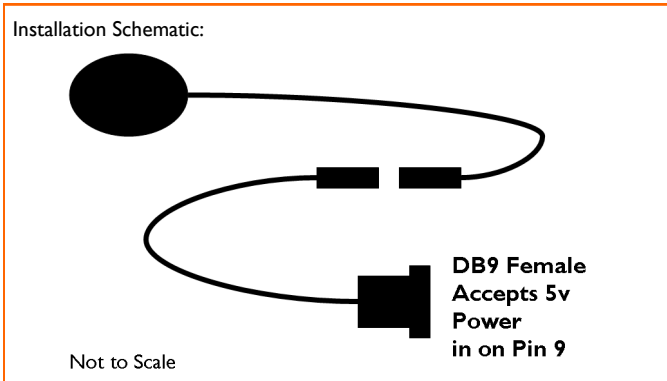
| | |
|---------|--------|
| Depth: | 62.0mm |
| Width: | 46.1mm |
| Height: | 18.0mm |
| Weight: | 95g |

> Accuracy

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

> Operating Systems Supported

Windows Mobile, Windows XP/Vista/7/8

> Part Number: GI020

* 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.

OrbitGPS

+1 203.654.7720

sales@OrbitGPS.com

www.OrbitGPS.com