

G2020

Bluetooth GPS Receiver/Data Logger

SiRFstarIII Bluetooth™ GPS receiver/ data logger for use with mobile computing solutions. It provides streaming GPS data to mobile computers when connected by Bluetooth 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 connected for "breadcrumbing" and "store and forward" applications. Includes AC power adaptor. Optional DC CLA power adaptor for vehicle use.

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

> Bluetooth

Compatible with Bluetooth Serial Port Profile (SPP)

> Power

Battery:	Lithium-Ion; 10 hour battery life
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Draw:	80mA at 3.3V; DC power adaptor
Internal Battery:	3v (for GPS module only)

> Logging

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

> Dynamic Conditions

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

> User Environment

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

> Physical Characteristics

Depth:	70mm
Width:	41 mm
Height:	23mm
Weight:	65g

> Accuracy

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

> Operating Systems Supported

Windows Mobile5.0; ; Windows Mobile /PPC 2003, Windows XP, Windows Vista

> Part Number: G2020

> Accessories

G2021:	DC Cigarette Lighter Power Adaptor
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* 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

For more information on the G2020 Bluetooth GPS Receiver/Data Logger, contact **OrbitGPS** at sales@OrbitGPS.com or +1.203.654.7771

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