

G1075**Serial GPS Receiver/
Data Logger**

A high performance GPS Recorder and Vehicle Tracking system for Passive Tracking applications

The G1075 GPS Data Logger is a high performance GPS recorder and vehicle tracking system for passive tracking applications. The G1075 can be used as a passive GPS receiver while it simultaneously logs the position data to its on-board flash memory. The logging interval is user definable either by time from 1 to 65535 seconds or by distance from 1 to 65535 meters.

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

> Dynamic Conditions

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

For more information on the G1075 Serial GPS Receiver/Data Logger, contact **OrbitGPS** at sales@OrbitGPS.com or +1.203.654.7720

**> User Environment**

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

> Logging Features

Memory:	1.4MB available memory for data logger with a maximum capacity of 45000 waypoints
Interface:	USB and RS232 interfaces for data download and configuration
Logging Intervals:	Data Logging interval definable either by time (1-65535 seconds) or by distance(1-65535 meters)

> Physical Characteristics

Depth:	61mm
Width:	59mm
Height:	26mm
Weight:	95g

> Accuracy

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

> Operating Systems Supported

Windows Embedded Handheld, Windows Mobile5.0 or newer, Windows Mobile /PPC 2003, Windows XP/Vista/7/8

> Part Number: G1075

* 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