

G1030

Serial GPS Receiver

with RJ45 Connector for use with Blackbay MC70 Cradle (Not of use with NIC cards)

SiRFstarIII serial GPS receiver for use with Blackbay MC70 vehicle cradles with 5v DC out through RJ45 connector.

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 G1030 Serial GPS for Blackbay MC70 vehicle cradle, contact **OrbitGPS** at sales@OrbitGPS.com or +1.203.654.7771



> Physical Characteristics

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

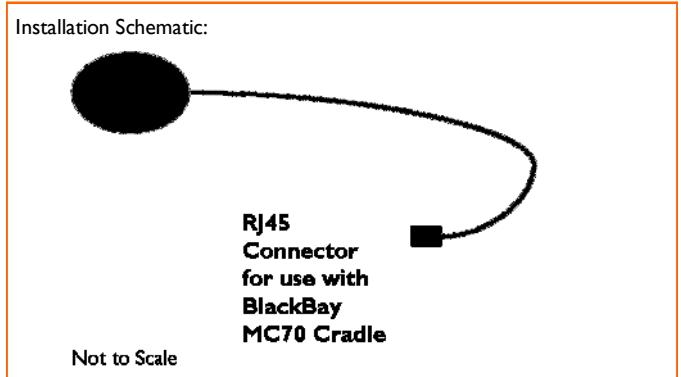
> Accuracy

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

> Operating Systems Supported

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

> Part Number: G1030



* 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.

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