

**G3070**

# Snap On GPS Receiver for MC70/75

**Rugged GPS Receiver**

SiRFstarIII serial GPS receiver “snaps” onto MC70/75 series mobile computers to add GPS functionality.

**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**

Source:	12v/24v DC CLA
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

For more information on the **G3090 Snap On GPS Receiver for the MC70/75**, contact **OrbitGPS** at sales@OrbitGPS.com or +1.203.654.7771

**> User Environment**

Operating Temperature:	-10°C to +50°C
Storage Temperature:	-40°C to +60°C
Humidity:	Up to 90%, non-condensing
Thermal Shock:	-40°C to +70°C
Impact (Drop):	While connected to MC70 terminal: 1.3m (4.26ft) to concrete, 6 drops per 6 sides over operating temperature; 1.5m (5ft) to concrete, 2 drops per 6 sides at ambient temperature 23°C (73°F)

**> Physical Characteristics**

Depth:	32mm
Width:	90mm
Height:	82mm
Weight:	95g
Power Draw:	100mA at full power; 10mA trickle-power
Pass through:	Power/USB Data passthrough
RoHS:	RoHS compliant.
Power Draw:	65mA at 4.5-5.5v
Pass through:	DC charging pass-through

**> Accuracy**

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

\*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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