

## XF101 DGPS Receiver

### Superior accuracy for handheld mapping



#### XF101

Hemisphere GPS XF100 series DGPS receivers for ruggedized handheld computers provide superior accuracy and performance. The XF101 is designed specifically for the Juniper Archer Field PC™ (not included). The rugged Compact Flash adapter and smart antenna module simplify field use even in the most demanding environments.



Powered by **Crescent**.

The latest Hemisphere GPS products are powered by Crescent Receiver Technology, the future of precision GPS.

### Key XF101 Advantages

- Crescent® GPS technology for superior sub-meter accuracy
- Optional external antenna for additional accuracy
- COAST™ Technology maintains accuracy during temporary loss of differential signal
- Exclusive e-Dif® extended differential option available
- Fully integrated, robust design matched to the host handheld PC
- Easy to use - just connect to handheld and go
- Low power consumption conserves handheld battery power

# XF101 DGPS Receiver

## GPS Sensor Specifications

Receiver Type:	L1 (C/A), with carrier phase smoothing
Channels:	12-channel parallel tracking (10-channel when tracking SBAS)
SBAS Tracking:	2-channel, parallel tracking
Update Rate:	1 Hz
Horizontal Accuracy:	0.8 rms (1.5 m 95% confidence) DGPS* 2.0 rms (4 m 95% confidence) (autonomous, no SA)*
Cold Start:	60 s (no almanac or RTC)
Warm Start Time 1:	45 s (valid almanac, no RTC)
Warm Start Time 2:	35 s (valid almanac and RTC)
Hot Start Time:	20 s typical (valid almanac, RTC and two hours since last fix)
Reacquisition:	<1 s

\* Depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity

## Environmental

Operating Temperature:	-30°C to +60°C (-25°F to +140°F)
Storage Temperature:	-40°C to +70°C (-40°F to +158°F)
Humidity:	MIL-STD-810 F, Method 507.4

## Mechanical

Dimensions:	101 L x 97 W x 35 H mm (4.0 L x 3.8 W x 1.4 H inches)
Weight:	300 g (<10.6 oz)
Status Indication (LED):	1 LED indicating power
Antenna Connector:	SMB, female

Authorized Distributor:

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