

Passive GPS Antenna

Continuous tracking of fleet vehicles

Ward's Passive GPS Antenna is an ultra-high performance, low power, industrial grade smart antenna for continuous tracking of fleet vehicles. The built-in SiRFstar III chip and our special streamline design provide fast signal acquisition and excellent performance at any speed.



KEY FEATURES

- Accuracy within 3 meters
- Ultra-high -165dBm tracking sensitivity
- AGPS support for faster position fix
- LED position fix and power indicators
- Low Power: ~15mA tracking
- Backup battery support



The Passive GPS Antenna is used with CANceiver for data transfer with Fuel View.

Performance Specifications

Receiver Type	66 channel
Frequency	L1, 1575.42MHz
Position Accuracy	3.0m, 2.5m DGPS
Velocity Accuracy	0.1m/S, 0.05m/S DGPS
Acceleration Accuracy	0.1m/S ² , 0.05m/S ² 2 DGPS
Altitude	18,000m max.
Time to First Fix	Hot Start: 1 second typical Warm Start: 33 seconds typical Cold Start: 35 seconds typical
Sensitivity	-148dBm, cold start (acquisition) -163dBm, hot start (reacquisition) -165dBm (tracking)
Update Rate	1Hz default, 10Hz maximum
Protocol Support	NMEA, 9600bps (default) Options: GGA, GSA, GSV, RMC, VTG
DGPS	SBAS (default) [QZSS, WAAS, EGNOS, MSAS, GAGAN]

Physical

Dimensions	40.5 x 38 x 18.3mm (1.6 x 1.5 x .7 in) W x D x H
------------	--

Environmental Limits

Operating Temp	-20 ~ 60°C
----------------	------------

Power Requirements

Supply	3.3 ~ 6 VDC
Consumption	~19mA acquisition ~15mA tracking



 See the Ward Capabilities Brochure for more product offerings.

Contact

www.ejward.com/contact

