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The BT-R800 is a GPS receiver with Wireless interface and built-in Patch antenna for high sensitivity to tracking signal.

The BT-R800 is well suited to system integration and users who use PDA, Smart phone, Tablet PC and Notebook PC with Wireless devices. It satisfies a wide variety of applications for car navigation, personal navigation or touring devices, tracking, and marine navigation purpose.

FEATURES

- Atmel Chipset 16 Channels all in view tracking
- High Sensitivity -158dBm
- Reacquisition Time: 0.1 second
- Support Standard NMEA-0183 Protocol
- Auto Adjustment Baud Rate 4800-115200 bps
- DGPS : WAAS/EGNOS./MSAS
- After device disconnects 30 minutes, the GPS receiver shall automatic turn off the power.
- Compatible with Wireless devices with Serial Port Profile(SPP)
- Lithium-ion rechargeable battery lasts for more than 12 hours of use

APPLICATIONS

- Land/Marine Navigation
- Telematics
- Fleet Management
- Asset Tracking
- Timing Reference

SPECIFICATION

Features	Description
General	L1 1575.42MHz, C/A code, 16 -channel all in view tracking
Sensitivity	-158 dBm (typical)
Update Rate	1 Hz
Accuracy	Position: <15m(95%) without S/A Velocity: 0.1 m/sec without S/A Time: ± 100ns synchronized to UTC time
WAAS Accuracy	Position: 3m CEP Velocity: 0.05m/sec
Acquisition	Cold start: 34 sec average Warm start: 33 sec average Hot start : 3.5 sec average
Dynamics	Altitude : 18,000m Max Velocity: 515m/s Acceleration: 4g Max
Reacquisition Time	0.1 second
Datum	WGS-84
DGPS	WAAS/EGNOS/MSAS
Protocol	NMEA-0183 V2.3 , 8-None-1 Baud rate: Auto Adjustment 4800 -115200 bps
NMEA Message	Default : GGA, GSA, GSV, RMC,GLL ,ZDA ,VTG
Operation Temperature	-10°C to +60°C
Storg Temperature	-20°C to +85°C
Operating Humidity	5% to 90% non-condensing
Antenna	Built-in Patch Antenna
Interface connector	Wireless interface
Battery	Lithium-ion Rechargeable Battery 3.7V/1000mAh
Operation Current	70 mA (Typical)
Operation Time	12 hrs, after fully charged, in continuous
Charging time	4 hrs. (Typical)
Dimension/ Weight	73 mm x 45 mm x 20mm / 60g

*** Preliminary Specification, Subject To Change without Notice**