

Specification

- 20 channel all-in-view tracking
- Receiver: L1, C/A code
- Antenna Type: Built-in Ceramic patch antenna
- Minimum signal tracked: -159dBm
- On/Off switch : Slide Switcher

Position Accuracy v Non DGPS (Differential GPS)

- Position : 2.5 - 25 m CEP without SA
- Velocity : 0.1m / sec
- Time : 1 microsecond synchronized to GPS time

Acquisition Time

- Reacquisition 0.1 sec. averaged
- Hot Start 8 sec. averaged
- Warm Start 38 sec. averaged
- Cold Start 42 sec. averaged

Protocol & Main Interface

Compatible with Bluetooth devices with Serial Port Profile (SPP)

- Bluetooth™ version 1.1 compliant
- Bluetooth™ Class 2 operation (up to 10 meter range)
- Frequency : 2.400 to 2.480 GHz
- Modulation: FHSS / GFSK
- RF channels: 79

NMEA Protocol Output : V 2.2 (optional V3.0)

- Baud Rate : 38400 bps
- Data Bit : 8
- Parity : N
- Stop Bit : 1
- Format:GGA, GSA, GSV, RMC, VTG
- Optional : GGL, SiRF Binary

Dynamic Conditions

- Altitude : 18,000 m (60,000 feet) max
- Velocity : 515 m/sec (700 knots) max
- Acceleration : 4G
- Jerk : 20 m/sec, max

Power

- **Operational Power:** 3.3VDC±10
- **Input Power:** 5VDC±10%
- **Battery Source:** Rechargeable and removable battery with 5V | DC input charging circuit

Environment Conditions

- Operating temperature?-20 ° to 60 ° C
- Store Temperature: -20 ? to + 85 ?
- Humidity?5% to 95% Non-condensing