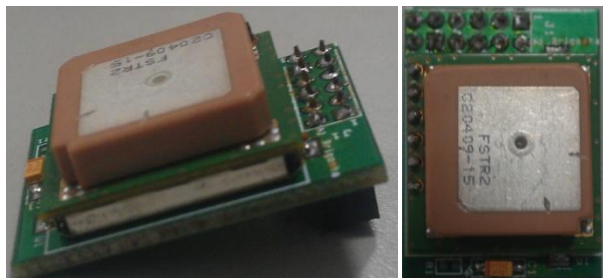




genesis of innovation

Brigosha Technologies

GPS Card (BTGPSV20)



The **GPS Card** by **Brigosha Technologies** is mounted with GPS receiver module with embedded GPS antenna. It enables ultra high performance navigation in the most stringent applications and solid fix even in harsh GPS visibility environments. The module provides complete signal processing from internal antenna to serial data output in NMEA messages. The GPS receiver with embedded antenna is ideally suited for navigation systems, asset tracking devices and battery operated consumer products like personal navigation devices, hand held computers, cameras and sports accessories.

Applications

- ☐ Navigation systems
- ☐ Asset tracking devices
- ☐ GPS Aircraft Tracking
- ☐ Hand held computers
- ☐ GPS mouse applications
- ☐ Disaster relief/emergency services
- ☐ Tools for commerce, scientific uses & surveillance
- ☐ Sports accessories
- ☐ Fleet Tracking
- ☐ Geotagging
- ☐ Surveying
- ☐ Tectonics
- ☐ Cellular telephony

Key Features

- ☐ Ultra High Sensitivity: 148dBm (Cold Start Acquisition) & 165dBm (Navigation)
- ☐ Update rate: One fix/s (user configurable, up to 10 fix/s)
- ☐ Low power consumption: 75mW @ 3.0V
- ☐ Internal backup battery which allow very fast TTFF
- ☐ NMEA protocols (default speed: 9600bps)
- ☐ Embedded patch antenna 18.4 x 18.4 x 4.2 mm
- ☐ Operating voltage: +3.0V to 4.2V
- ☐ One serial port (default: CMOS level, option:RS232)
- ☐ 1PPS output for accurate timing applications
- ☐ Chip set: Media Tek MT3329, 66-channel receiver
- ☐ Jammer detection and reduction
- ☐ WAAS/EGNOS support
- ☐ Accuracy: Position 1.8m(CEP95), Velocity 0.1m/s, Time: +/-50ns(RMS)
- ☐ Software and Algorithm support available

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