GMS50 GPRS/CDMA/HSPA Series

Robust Mobile Asset Tracking Hardware Platform

GMS50 is the most innovative, sophisticated, scalable and affordable cellular based wireless gateway for remote and mobile asset managements. It's compact, low profile with internal antennas and backup rechargeable battery, and offering the ability to track any asset in the most demanding conditions.

GMS50 accommodates a verity of accessories and sensors, such as external iridium modem for dual mode operation, RFID reader for student ridership management, iButton reader for driver id, and cargo/temperature/door sensor, etc., which covers very different applications such as:

- Light vehicles and trucks
- Heavy construction equipment
- Taxis and ambulances
- Buses and school buses

Features

* Superior GPS and Cell RF performance;
* Internal backup rechargable battery;
* Extremely low power consumption achieved by SMART POWER MANAGER;
* Over-the-air firmware upgrade and configuration;

* All- in-one design and "plug & play" features make installation simple
* Accommodate a variety of accessories and sensors;
* Web-based applications with location and status reports;
* Fully certificated by FCC, IC and PTCRB.

GMS50 Specifications

Electrical

DC Power Input: 6-32V

Internal Rechargeable Battery: 3.7V

Power Consumption: 400uA@ 3.7V Sleep

                       50mA@12V Average

Cell Modem

Quad Band: 850/900/1800/1900MHz

GPRS Multi-Slot Class 10/8

GPRS Mobile Station Class B

Compliant to GSM Phase 2/2 F

          - Class 4 (2W@850/900 MHz)

          - Class 1 (1W@1800/1900MHz)

HSPA/UMTS: All Bands

HSPA data rate: 5.6Mbps Upload

                         7.2Mbps Download

HSPA Fall back: EDGE/GPRS/GSM Quad Band

                 EDGE MCS1-MCS9

                 3GPD Release 6

GPS

SirF Star IV Chip Solution

48 PRN Channels

Super Sensitivity: Tracking - 163 dBm

                         Acquisition - 148 dBm

Active Jammer Remover

Self-Assisted CGEE

Accuracy <2.5m CEP

I/O

Internal Cellular and GPS Antennas

SIM External Access

Three Inputs and One Output

One RS232 for 3rd Party Device Connection

Environmental

Working Temperature: -30C° to 75C°

Storage Temperature: -40C° to 85C°

Humility: 95% RH @50C° Non-Condensing

Shock and Vibration: SAE J1455

Mechanical

Dimension: 3.7"x2.4"x1.0"

Weight: 200g

Optional Accessories

Bluetooth 4.0/Iridium Modem

RFID Reader, iButton Reader

Cargo Sensor, Door Sensor

OBDII Cable, J1939/J1708 Cables

Certifications

Fully Certified: FCC, IC, CE, PTCRB Carrier Approval

All specifications are typical and subject to change without notice.

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