GMS50T User Manual

Electrical

DC Power Input: 6-32V
Internal rechargeable Battery: 3.7V
Power Consumption: 70mA@12V average
400uA@3.7V sleep

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 Cell and GPS antennas
SIM internal Access
Two inputs and one output
One RS232 for 3rd part device connections

Environmental

Working Temperature: -30C° to 75C°
Storage Temperature: -40C° to 85C°
Humility: 95% RH @50C non condensing
Shock and Vibration: SAE J1455
Water Proof housing: IP67

Mechanical

Dimension: 158x74x25MM
Weight: 280g

Optional Accessories

External Iridium Modem
Trailer Cargo sensor
Trailer Door Sensor

Certifications

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

TELITEK WIRELESS INC. IS A TURN KEY TELEMATICS AND M2M SOLUTIONS PROVIDER, CUSTOMERIZED HARDWARE, FIRMWARE AND SOFTWARE DEVELOPMENT AVAILABLE AS YOUR REQUEST.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

☐ Reorient or relocate the receiving antenna.
☐ Increase the separation between the equipment and receiver.
☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
☐ Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 20cm from nearby persons.

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