MT
2500

GSM/GPRS/GPS Quad-Band Mobile Platform

The MT 2500, a certified quad-band, 3-axis accelerometer integrated device is optimized for today's increasing demand for vehicle recovery, fleet management, and driver and vehicle profiling. Providing complete GSM/GPRS communications, Novatel Wireless helps you track and monitor vehicles from the family car to the largest fleet of commercial vehicles.

Fleet Management

Designed to be adaptable to multiple vertical markets including fleet, vehicle recovery, insurance, buy-here-pay-here and more, the new MT 2500 is offered as an economical solution providing enhanced vehicle tracking solutions to the market. With the introduction of the FOTA (Firmware-Over-The-Air) enabled quad band GSM/GPRS device with internal antennas, 3-axis accelerometer, analog inputs and other GPIO (General Purpose Input/Output), the MT 2500 ensures a feature rich solution with low implementation and operation costs.

Insurance Telematics

Optimized for the mass market, this unit can capture and monitor information for today's most demanding fleet and vehicle recovery applications, relaying vehicle and driver behavior information on rapid acceleration, harsh braking, speed violations, and excessive idling. With an optional battery for communications when power is lost, the MT 2500 is optimized for a host of vertical markets where critical vehicle information is required.

Quick Deployment and Device Management

Coupled with the robust N4A™ Communications & Management platform, devices can be monitored and reconfigured remotely most anywhere in the world.

Device Benefits

- 3-axis accelerometer for driver behavior reporting
- Flexible customization through built-in programmable rules engine and control automation capabilities
- Polygon geo-fencing and GPIO's including analog inputs
- Internal antennas on the quad-band MT 2500 for economical installation and serviceability
- Auto-registration on power up
- FOTA enabled for remote upgrades
- Integrated SMS for commands and messages

NOVATEL WIRELESS

MT
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Technical Specifications

GSM/GPRS/GPS Quad-Band Mobile Platform

Housing
- Dimensions: (L x W x H) 82 x 46 x 21 mm
- Rugged textured plastic enclosure, V_0 fire rated

Radio Technology
- Frequency (MHz): 850/900/1800/1900
- Transmit Power: Class 4 (2W@850/900 MHz)
  Class 1 (1W@1800/1900 MHz)

GSM Functionality
- Voice: FR, EFR, HR & AMR
- GSM/SMS: Text, PDU, MO/MT, Cell Broadcast

GPS Functionality
- GPS Protocols: NMEA, Binary
- Buffered GPS Message Feature: Yes

Motion Detection
- 3-axis digital accelerometer for motion alert (towing alert) and driver behavior reporting (rapid acceleration, harsh braking) using configurable thresholds

Over-The-Air Commands
- I/O control, GPS TX internal, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo fencing and virtual odometer, driver behavior reporting

SIM Card / Interface / I/O
- SIM Access: Internal
- Cellular Antenna: Internal
- GPS Antenna: Internal
- I/O Connector: 16-pin Molex
  4 wire USB (2.0)
  1 digital input
  1 analog input (0-16V)
  1 selectable analog / digital input
  2 digital outputs
  1 latched output
  Ignition Sense
  Audio/Voice
- LEDs: Power (green), Cellular (green), GPS (red)

Interface
- Host Protocols: AT commands, UDP API, FOTA
- Internal Protocols: UDP API, TCP API
- API Control/Status: AT commands, UDP API, TCP API, AT commands over SMS

Environment
- Operating: –30ºC to 85ºC
- Storage: –40ºC to 85ºC
- Humidity: Up to 95% non-condensing
- Vibration: In accordance with SAE J1211

Battery
- Optional rechargeable lithium-ion battery (230mA)

Power
- Operating Voltage: 9 - 16 V DC

Certifications
- FCC: Parts 15, 22, 24
- GCF: Version 3.40.0
- PTCRB: Version 5.6
- CE: Article 3.1a, 3.1b, 3.2
- RoHS Compliant: Yes
- Anatel: Yes
- eMark: Yes
- Industry Canada: RSS-210, 132, 133
- AT&T: Yes
- ICASA: Yes (pending)

Part Numbers
- GSM2418-00 (Battery)
- GSM2418-01 (No Battery)

For More Information:
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