MT
3000

GSM/GPRS/GPS Dual-Band Mobile Platform

The MT 3000 is a certified dual-band integrated device built for the Usage Based Insurance (UBI), telematics, and fleet management markets. Providing easy plug-and-play installation, the MT 3000 is designed for passenger cars, light trucks, and service vans.

Simple Installation
The MT 3000 is an innovative plug-n-play device with internal antennas providing complete GSM/GPRS communications. It supports a host of vehicle engine OBDII permitted protocols while still providing customizable MT features including GPS location, ignition, geo-fencing, trip reporting and events. Combined with the on-board 3-axis accelerometer, the MT 3000 also has built-in threshold events to capture metrics critical to effective fleet and insurance monitoring such as excessive engine speed, rapid acceleration, harsh braking, speed violations, and excessive idling.

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

Device Benefits
• Vehicle diagnostics and reporting capabilities
• Supports a host of OBDII permitted protocols
• Compact, lightweight, low profile design
• Integrated SMS for commands and messages
• Optimized 3-axis accelerometer for driver behavior monitoring
• Flexible customization through built-in programmable rules engine

NOVATEL WIRELESS

GSM/GPRS/GPS Dual-Band Mobile Platform

Housing
- Dimensions: (L x W x H) 46 x 43 x 28 mm
- Rugged textured plastic enclosure UL94-V_0 fire rated

Radio Technology: GSM2374 (North America)
- Frequency (MHz): 850/1900
- Transmit Power: Class 4 (2W@850 MHz)
              Class 1 (1W@1900 MHz)

Radio Technology: GSM2376 (ROW)
- Frequency (MHz): 900/1800
- Transmit Power: Class 4 (2W@900 MHz)
              Class 1 (1W@1800 MHz)

SMS Functionality
- 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
- GSM Antenna: Internal antenna
- I/O Connector: Micro USB (2.0), command port
- OBD II Connector: J1962 compliant

On-Board Diagnostics (OBDII)
- J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP2000, and ISO-15765 CAN protocols supported VIN, excessive engine speed (RPM), vehicle speed, vehicle battery voltage (low battery warning), check engine light (MIL alert), odometer (trip distance), idle time reporting, low fuel alert

Interface
- Host Protocols: AT commands, UDP API
- 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
- N/A

Power
- Operating Voltage: 9 - 16 V DC

Certifications: GSM2374 (North America)
- FCC: Parts 2, 15, 22, 24
- PTCRB: Version 5.6
- CE: N/A
- GCF: N/A
- eMark: Yes
- RoHS Compliant: Yes
- Industry Canada: RSS-210, 132, 133
- AT&T: Yes
- Rogers: Yes

Certifications: GSM2376 (ROW)
- FCC: N/A
- PTCRB: N/A
- CE: Yes
- GCF: Yes (Pending)
- eMark: Yes (Pending)
- RoHS Compliant: Yes
- Industry Canada: N/A
- AT&T: N/A
- Rogers: N/A

Part Numbers
- GSM2374-01 (North America)
- GSM2376-01 (ROW)

NOVATEL WIRELESS
ISO 9001:2000 Certified