MT 4000

MT 4000
GSM/GPRS/GPS Quad-Band Mobile Tracking Device
A fully certified quad-band GSM/GPRS mobile tracking device designed for flexible solution deployment.

Designed for application providers, system integrators, and enterprise customers to optimize mobile resources and improve their bottom line, the MT 4000 is a cost-efficient quad-band GSM/GPRS mobile tracking device, delivering the key product features powering the most demanding applications: fleet management, insurance telematics, teen tracking, vehicle location and recovery, and more.

With superior GPS location performance, a robust programmable rules engine, driver behavior reporting, geo-fencing, SMS commands, messaging and much more, the MT 4000 is designed for flexible solution deployment. The MT 4000 includes optional routing and optimization with Garmin® FMI (Fleet Management Interface) - a key part of today's most useful, versatile and cost-efficient fleet management solutions.

ADVANCED FLEET FEATURES
Built for local, regional, and long haul fleets, the MT 4000 delivers critical features to driving efficiencies and reducing operational costs. Once fitted to a vehicle and integrated to a fleet management application, the ROI is immediate with improvements in driver productivity by monitoring individual driver location and performance throughout the day.

INSURANCE TELEMATICS
For Insurance Telematics or Usage-Based Insurance (UBI) programs, the MT 4000 provides driver behavior reporting, speed violation alerts, distance and duration traveled, and time of day reporting. With this data, insurers can offer a variety of programs including PAYD/PHYD (pay-as-you-drive or pay-how-you-drive) targeted to consumers as well as fleets.

QUICK DEPLOYMENT & DEVICE MANAGEMENT
Coupled with the N4A™ Communications and Management service delivery platform devices can be provisioned, monitored and reconfigured remotely, most anywhere in the world.

KEY FEATURES AND BENEFITS
- Flexible application customization through Smart Agent programmable rules and event engine
- Innovative internal cellular and GPS antenna design
- Configurable driver behavior reporting, polygon geofencing, driver ID, and multiple GPIO capabilities
- Serial interface and Smart Agent support for optional Garmin FMI (Fleet Management Interface) v2.7 with speed limit alerts
- Deep sleep and low power management for 12V and 24V passenger cars, trucks, and transit vans worldwide

TARGETED VERTICALS
- Fleet Management
- Emergency Response Vehicles
- User Based Insurance (UBI)
- Service & Small Fleet Operations
- Vehicle Leasing Recovery
- Transportation & Trucking

With our built-in Smart Agent support for the FMI interface, you save development resources, time to market, and ongoing airtime expense.

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TECHNOLOGY/BANDS
- GSM/GPRS: Class B, Multislot 8
- Frequency (MHz): 850/900/1800/1900
- Transmit Power: Class 4 (2W@850/900 MHz)
  Class 1 (1W@1800/1900 MHz)

DIMENSIONS AND WEIGHT
- Dimensions: (L x W x H) 82 x 46 x 21 mm
- Rugged textured plastic enclosure UL94-Vo fire rated

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

MOTION DETECTION
- Dual 3-axis digital accelerometers for motion and towing alerts, and driver behavior reporting (rapid acceleration, harsh braking) using configurable thresholds

OVER-THE-AIR COMMANDS
- FOTA, I/O control, GPS TX interval, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo-fencing, virtual odometer, driver behavior reporting

SIM CARD / INTERFACE / I/O
- SIM Access: Internal
- Cellular Antenna: Internal
- GPS Antenna: Internal
- I/O Connector: 22-pin Molex
  (3) digital outputs
  (2) analog inputs (0-16V,0-32V)
  (3) digital inputs
  1 wire interface (Driver ID)
  Ignition Sense
  Audio (MIC+, MIC-, SPKR+, SPKR-)
- Serial Data I/O: RS-232 (RX, TX, CTS, RTS)
- Garmin® FMI: Optional, Version 2.7 with integrated safe mode (v.2.6) and speed limit alerts
- LEDs: Power (green), Cellular (green), GPS (red)

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

ENVIRONMENT
- Operating: Non battery version: -30ºC to 85ºC
  Battery version: -20ºC to 60ºC
- Storage: Non battery version: -40ºC to 85ºC
- Humidity: Up to 95% non-condensing
- Vibration: In accordance with SAE J1211

BATTERY
- Optional rechargeable lithium-ion battery (230mAh)
- Battery recharging range is 0 to +45ºC (Internal battery temperature)

POWER
- Operating Voltage: 9 - 32 V DC operational for 12V & 24V vehicle support per SAE J1455

CERTIFICATIONS
- FCC, Industry Canada, CE, GCF 3.43.1
- eMark, RoHS, PTCRB 5.6

PART NUMBERS
- GSM2448-00 (Battery)
- GSM2448-01 (No Battery)

NOVATEL WIRELESS

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