



MT 3050

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CDMA®2000 1X/GSM/GPRS Mobile Tracking Device

An innovative OBDII plug-and-play design with enhanced performance utilizing an innovative antenna design and a disconnect alert feature.

Expanding the MT Series of products for application service providers, system integrators, enterprises and insurers in the global fleet management and usage-based insurance market verticals, the MT 3050 offers an innovative OBD-II plug-and-play design, enhanced performance utilizing innovative antenna design and a disconnect alert feature using an in-device backup battery, and is available in CDMA®2000 1X, GSM/GPRS, versions.

APPLICATION FLEXIBILITY

Novatel Wireless has assembled a complex device and networking components required to build successful and profitable UBI programs, supporting market specific requirements and simplifying UBI program creation and large scale deployments. The new MT 3050 is an innovative plug-and-play device with internal antennas that supports all five vehicle engine OBD-II protocols while still providing customizable features including GPS location, ignition, geofencing, trip reporting and events. Its built-in programmable threshold events capture metrics critical to effective fleet and insurance monitoring such as excessive engine speed, rapid acceleration, harsh braking, speed violations, and excessive idling.

ENHANCED PERFORMANCE

The MT 3050 is a flexible telematics solution that is well suited for a variety of other applications including fleet management where managers are charged with improving safety, increasing productivity and reducing

costs, as well as for insurance telematics for pay-as-you-drive/pay-how-you-drive programs, which give the consumer, and even fleets, more control over their insurance premiums through driver behavior reporting, speed violation alerts, distance and duration traveled, and time of day reporting.

SIMPLE INSTALLATION

The MT 3050 installs easily into the OBD-II port of a vehicle. Installation does not require taking a vehicle out of service and does not include the costs associated with a more permanent wired fitment to the vehicle. So no matter the application - fleet management, Usage-Based Insurance (UBI), teen tracking, or any other application - or the region of the world, the MT 3050 is the option for customers charged with lowering upfront telematics costs.

QUICK DEPLOYMENT & DEVICE MANAGEMENT

All Novatel Wireless integrated devices are designed for full compatibility with our Services Enablement Services (SES) that includes the N4A™ Communications and Management Software (CMS) and N4A™ Device Manager, which provide accelerated device provisioning, deployment, shipping, monitoring, and tracking worldwide.

TARGETED VERTICALS

Usage-Based Insurance (UBI)
Fleet Management
Driver and Vehicle Profiling
Pay-As-You Drive, Pay-As-You-Go

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TECHNOLOGY/BANDS

- 1XRTT (CDMA®2000 1X): 800/1900 MHz
- GSM/GPRS: 850/900/1800/1900 MHz

DIMENSIONS

- 55mm L x 49mm W x 29mm D
- Rugged textured plastic enclosure UL94-Vo fire rated

COMMUNICATION 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

ON-BOARD DIAGNOSTICS

- Engine Interface: J1962 compliant
- Protocols Supported: J1850 PWM, J1850 VPW, ISO-9141-2, ISO-14230 KWP2000, and ISO-15765 CAN

SMS FUNCTIONALITY

- GSM SMS: Text, PDU, MO/MT, Cell Broadcast
- CDMA SMS: Text, MO/MT

INTERFACE

- SIM Access: Internal (GSM products)
- Cellular/GPS antenna: Internal
- LEDs: OBD (Red), Cellular (Green), GPS (Blue)

KEY FEATURES

- Excessive engine speed (RPM)
- Vehicle speed/speed alert with OBDII/GPS data
- Virtual odometer/distance reporting
- Motion/tow alert with ignition & movement detection
- Embedded 3-axis accelerometer for driver behavior monitoring (hard braking/acceleration/cornering) and impact detection
- Vehicle diagnostics & low vehicle battery voltage monitoring
- Check engine light (MIL alert)

- Low fuel alert
- FOTA enabled
- Circular & polygon geofencing

ENVIRONMENT

- Operating:
 - Battery Version: -20°C to 60°C
 - No Battery Version: -30°C to 70°C
- Storage:
 - Battery Version: -20°C to 60°C
 - No Battery Version: -40°C to 85°C
- Humidity: Up to 95% non-condensing
- Vibration: In accordance with SAE J1211

POWER

- DC Voltage: 9-16 VDC

BATTERY

- Rechargeable lithium-ion
- Battery recharging range is 0 to +45°C (Internal Battery Temperature)

CERTIFICATIONS

- FCC: Parts 15, 22, 24
- PTCRB: Version 5.6
- CE
- GCF
- eMark
- Industry Canada: RSS-210, 132, 133
- RoHS Compliant
- Carrier Certifications (Pending): Verizon, Sprint (Pending)

PART NUMBERS

- GSM2378-00 (WW)
- RTT2211-00 (North America)

STARTER KIT

- 2 MT 3050 Devices
- Single Protocol OBD-II Simulator
- Wall Mount Power Supply
- Limited airtime and access to N4A™ Sandbox



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Specifications are subject to change, please see your Novatel Wireless contact for more details.

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