



NaxerTech **GSM/ GPS** Tracking Device

NTT-Micro

NaxerTech's NTT-Micro GSM/ GPS intelligent tracking and reporting device. NTT-MICRO uses the latest Quad band GPS/GPRS modules from SIMCom Wireless Solutions and is engineered for various sectors such as fleet and asset tracking industries.

NTT-MICRO features numerous over-the-air configurable parameters giving you control of the tracker device and remote configurability. Designed for the most demanding fleet management operation, offering scalability, compatibility and added functionality to a simple cost effective track-n-trace operation.

Data sent over GPRS and is kept as small as possible keeping data costs to a minimum.

Programmable Event-Action Engine / Flexible Customization: NTT-MICRO is easy to configure, continuously monitors threshold status related to time, distance, turns, speed, motion, shock, acceleration, inputs, GPS and GPRS conditions and generates reports.

GPS and GSM Internal Antennas: high sensitivity built in internal antennas for quick installation, with connector for optional external GPS antenna for enhanced FIX precision.

Multiple Input / Output Options with One-Wire Compatibility: offering 4 Digital inputs, 1 ignition input, 1 Analog input, 1 one-wire input and 4 Digital outputs 1A each, makes it ideal to control, manage and monitor fuel sensors, doors, panic buttons, vehicle immobilizer, siren, driver identification with Dallas keys or any other compatible telematics application.

Internal Back-up Battery: allows for autonomous operation for up to 10 hours of full tracking and extended functionality depending on motion and power management setup, (low current consumption). Reverse polarity protection and dual power regulator for enhanced battery life.

Motion and Shock Detection / Driver Performance / Tow Detection: fully integrated 3-axis accelerometer for easy to configure motion and acceleration based events.

Security Modes: NTT-MICRO provides 5 different layers of programmable security modes. These security modes are GSM Jammer Detection & Countermeasures, Engine Immobilizer, ARM with vehicle's central locking system, Auto ARM & Time ARM.

GSM Jammer Detection & Bluetooth Interface: NTT-MICRO is equipped with GSM Jammer Detection technology, activates the GSM jammer detection Countermeasures when detects any jamming device. Integrated Bluetooth interface to work with OBD-II port in vehicle for diagnostic purposes (*planned*).

Remote Administration and Firmware Update: fully configurable over the network via GPRS and/or SMS. Firmware can be upgraded over the USB port as well.

Multiple Communications and Network Protocols: Alternate IPs for GPRS and/or DNS with auto switching from GPRS to SMS and defining primary and alternative communications option.

World Class Technical Support: a professional team of certified Field Application Engineers supporting the most demanding special reporting configurations will help our customers to design the ideal script.

Store and forward log: up to 7200 tracking events are stored in case of communication failure.

Hardware Specifications:

GSM/ GPS

- GSM SIM800 Quad Band (850/900/1800/1900MHz)
- GPRS Class 10 (up to 85.6 kbps)
- SMS (Text/ Data)
- GPS SIM28
- GPS Accuracy 2.5 meters
- GPS Channels 50+
- GPS Sensitivity -160dBm
- Alternate IPs for GPRS
- DNS (No hassle of IP change)
- NMEA, GGA, GGL, GSA, GSV, RMC protocol compatible

Interfaces

Wireless

- Bluetooth Interface (*planned*)

Digital Inputs

- Input 1. Ignition ON / OFF
- Input 2. Door Open / Door Close Status
- Input 3. Auto Arm Connected with central locking
- Input 4. SOS / Panic Button
- Input 5.

Digital Outputs

- Output 1. Output to Turn ON buzzer in case of Jamming device detected
- Output 2. Output to unlock the door
- Output 3. Output to lock the door
- Output 4. Output to Immobilize Engine

* Drive any output up to 1 ampere.

Analog Input

Input 1. Analog input can be used for Fuel, Temperature probe and Weight measurement. (0-10VDC)

Security

- GSM Jammer Detection & Counter Measures
- ARM with Central Locking
- Auto ARM
- Battery Security
- Door Lock/ Unlock (SMS/ GPRS)
- Engine Immobilizer
- Time ARM

Firmware Upgrade

- OTA (On The Air)
- USB

Hardware Add-ons:

- Two way voice interface

General Specifications:

- Dimension: 9cm x 5.6cm x 1.6cm
- Supply Voltage: 9V-60V
- Power Consumption Alive: 30mA
- Operating Temperature: -10°C to +65°C
- Memory: 10MB Flash Memory
- Reverse Polarity Protection
- Weight: 60gm
- Battery Power: 3.7V DC, 500mA Li-Ion Battery
- Power Consumption Sleep: 10mA
- Storage Temperature: -20°C to +70°C
- Dual Power Regulator
- Half Ignition detection

