



## GTX AVL

The GTX AVL is a fully integrated tracking device for communicating vehicle location information to owners via ubiquitous GSM/GPRS networks.

With an integrated GPS engine, embedded cellular, PCS and GPS antennas, the GTX AVL is a cost effective solution for vehicle and fleet owners to monitor the location, speed and the direction of their vehicles. GTX AVL provides 2 all purpose digital inputs and 1 internal analog input used to monitor battery voltage.

In addition to multiple inputs, GTX AVL provides a digital output that can drive ignition relays. GTX AVL has an optional external GPS connector for instances where higher GPS sensitivity is required. With its compact design, GTX AVL can be covertly installed in tight locations.

GTX AVL is a quad band GSM/GPRS modem which can be used in virtually any country where a GSM network is available. With its highly mature firmware, it supports TCP, UDP, FTP and is capable of firmware update and configuration over-the-air.

## GTX AVL Summary

- GPRS class B multi-slot class 10
- Supports 850/900/1800/1900 MHz
- LED status indicators for GPS lock and GSM registration
- Over-the-air firmware upgrade
- Supports TCP, UDP, FTP
- Integrated GPS engine and GPS antenna
- Supports SMS connectivity
- Optional external GPS antennas for improved GPS sensitivity

# Specifications

Frequency Band 850/1900 MHz, 900/1800 MHz

Transmit Power 33 dBm@ 850-900 MHz

30 dBm @ 1800-1900 MHz

Status Indicators Network registration/GPRS

GPS position acquisition status

## **GPS specification**

- Receiver 16 channel
- Receiver Sensitivity -158 dBm
- Accuracy +/- 2.5m CEP
- Cold Start <38 sec (@ 45 dB C/N)
- Hot Start < 3 sec (@45 dB C/N)

## **Network Functionality**

- Auto-Register to GPRS network
- GPRS Class B, Multi-Slot 10
- Supports TCP, UDP and FTP
- OTA Firmware Upgrade Using FTP
- SMS connectivity

## **Power Requirement**

- D.C Power 10-16V
- GSM 850 23 mA average @12V
- GSM 1900 20mA average @12V

## **Physical Connection**

- Power and input/output 14 pin Micro Fit Connector
- Optional GPS Antenna SMA female

## **Mechanical**

Case Material ABS plastic

Dimensions 2.0" X 1.8" X 1"

Weight <2 oz.

Operating Temperature -30 °C to +75 °C