

# VEHICLE TRACKING TRANSPONDER

The GSM Vehicle Tracking Transponder (VTT) is an economical, full-featured vehicle tracking product designed for easy and reliable installation in any commercial or industrial vehicle. The VTT is an ideal solution for low cost precision vehicle tracking of airport operations, maintenance, security or emergency ground vehicles.

## Technical Specifications

### GENERAL

Model	VTT
Communication Modes	GPRS/EDGE/HSPA and CDMA UPD packet data and SMS
Location Technology	50 channel GPS SBAS: WAAS, EGNOS, MSAS, GAGAN
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-147 dBm
Location Accuracy	3.0m
Update Frequency	1 update per second
Operating Voltage	12 and 24 Volt Vehicles

### CELLULAR

Data Support	SMS, GPRS, CDMA 1xRTT HSPA packet data
Operating Bands (Mhz)	
GSM/GPRS	850/900/1800/1900
CDMA/1xRTT	850/1900
HSPA/UMTS	800(VI)/850(V)/900(III)/ 1700(IV)/1900(II)/2100(I)
Transmitter Power	
GSM/GPRS	850/900            32.5dBm 1800/1900        29.3dBm
CDMA/1xRTT	850                24.0dBm 1900               23.0dBm
HSPA/UMTS	All bands         23.0dBm
HSPA Data Rates	5.6Mbps upload / 7.2 Mbps download
HSPA Fallback	EDGE/GPRS/GSM quad band EDGE MCS1-MC59 3GPP release 6

### COMPREHENSIVE IO

Inputs	Flexible Configuration
Outputs	None
Serial Interface	1 TTL serial
Status LED's	GPS and Cellular

### MOUNTING

Hardwired or portable  
Optional ODBII powered



## Certifications

Fully certified FCC, CE, IC, PTCRB, Applicable carriers  
Compatible with AirBOSS CDM/SMS System

## Key Features

- ODB-II plug for power and ground with ignition sense
- Packet Data (GPRS/CDMA 1xRTT or HSPA)
- Internal 200mAh backup battery
- Internal cellular and GPS antennas
- High sensitivity GPS (-162dBm)
- Ultra low power sleep mode (<3mA)
- 3-axis accelerometer
- Voltage monitoring and low battery notification
- 20,000 buffered messages
- 32 built in geo-fences up to 5400 points
- PEG exception-based rules
- Automatic, over-the-air configuration on power up
- Over-the-air firmware download
- Web-based device management
- Garmin FMI compatible interface