



AT100 Vehicle Tracker

Designed primarily as a general purpose vehicle tracking device, the AT100 offers excellent affordable features in one complete kit.

The unit offers the following standard features on the foretrack service:

- Journey start, stop and IO notifications over GPRS.
- SMS and Email notification of alarm conditions.
- Logging to memory when GPRS is offline.
- Internal Battery backup for operation when vehicle power is not present.



The unit offers the following extended features on the foretrack service:

- Ignition enable / disable command support
- Adaptive logging based on distance and turns
- Parameters gully programmable over the air via GPRS / SMS
- Firmware download over GPRS

Features:

- Vehicle tracking
- Messaging terminal
- Panic option
- Ignition inhibit
- Battery backup
- Turn by turn reporting
- Voice calling
- Driver Identification – In development

Technical Specifications:

Specification	AT100
Size	(L/W/H): 85 x 47 x 15 mm
Power Supply	Max: 350mA 6.0 VDC, 175mA 12 VDC, 90mA 24 VDC. Average: Continuous - 11 mA 28VDC. LOW POWER MODE – 2mA 28VDC. SLEEP MODE - <1mA 28VDC
Battery – 3.7v, 660mAh Internal	8 hours continuous operation 3 days operation in hourly update mode
Operating Temperature	Operating -20 to +60C, Storage -30 to +85C
GSM Module – Type: E-GSM/GPRS Modem	2 Watts (E-GSM900 and GSM850 Class 4), 1 Watt (GSM1800 and GSM1900 Class 1), GPRS multi-slot class 10
GSM Antenna	MCX Connector. Options available
GPS Antenna	SSMB Connector. Options available
INPUTS	6 opto-coupled digital inputs (1 ignition, 1 panic, 4 flexible)
OUTPUTS	2 load switch outputs (max 0.5A, 30V)

Operating Frequency

- GSM up-link (TX) : 824 – 849 MHz, 880 – 915 MHz
1710 – 1785 MHz, 1850 – 1910 MHz
- GSM down-link (RX): 869 – 894 MHz, 925 – 960 MHz
1805 – 1880 MHz, 1930 – 1990 MHz

GPS Module

- L1 receiver: 12 channels
- Position accuracy: 3m CEP, 6m 2DRMS
- Velocity accuracy: 0.2m/s (50%)
- Time accuracy: 20nS RMS
- Receiver sensitivity: -152dBm (tracking)
- Time to first fix: – Cold start 35 sec – Hot start 8 sec – Quick start 3 sec – Re-acquisition 1 sec (after 5 minute signal blackout)

Note: Specifications may change without notice.