


AT240 Advanced Vehicle Tracking Device



- 5 year warranty included as standard!
- CANBus / FMS 2.0 / OBD2 interface
- Very low idle power consumption – virtually zero battery drain on a parked vehicle
- ublox EVA-M8M GNSS, supporting GPS, GALILEO, GLONASS and BeiDou
- ublox SARA-U201 UMTS/HSPA penta-band modem (3G/GPRS)
- Internal back-up battery – 3 hrs continuous or 3 days in hourly update mode
- IP67 weather-proof enclosure
- 3 axis MEMS based accelerometer for driver behaviour reporting + motion detection
- 6 digital inputs
- 5 digital outputs, using open-drain MOSFET switches
- 2 ADC inputs
- 2 RS232 serial ports
- 1-wire iButton (Dallas Key) driver ID
- 1-wire (DS18B20) temperature sensors
- RFID/NFC card reader interface for driver ID
- Gritter / sweeper data – supports a wide range of controller protocols
- Simple and flexible user configuration by ASCII terminal, SMS or GPRS
- Over the air firmware update – fast and reliable, typically 2-3 minutes to complete
- Tamper detection – reports when device is removed from the enclosure
- Modular communications protocol 'X'
- SDK option available
- Designed and assembled in the United Kingdom 

TECHNICAL SPECIFICATIONS

UMTS/HSPA Communications:	800/850/900/1900/2100 MHz
GSM/GPRS Communications:	850/900/1800/1900 MHz
GSM Antenna:	PIFA ceramic, quad band (internal)
GPS Antenna:	25mm ceramic patch (internal)
GPS Receiver:	EVA-M8M
L1 receiver:	72 channels
Position accuracy:	2.5m CEP
Receiver sensitivity:	-164dBm (tracking)
TTFF: Cold start	26 sec
Hot start	1 sec
Input voltage:	6 – 50 volts DC
Internal Battery:	3.7V, 450mAh
Battery Life:	3 hours continuous operation 3 days operation in hourly update mode
Data transfer modes:	TCP or UDP
Inputs/outputs:	4 digital pull-up inputs 2 digital pull-down inputs 5 digital outputs (MOSFET low-side switches) 2 ADC inputs (0-5V and 0-15V range) CANBus / FMS 2.0 / OBD2 2 RS232 serial ports
Current consumption, max:	300mA @ 13.8 VDC (battery charging at max. rate)
Current consumption, average:	25mA @ 13.8 VDC (typical)
Current consumption, sleep:	< 100uA
Dimensions:	104 x 85 x 23 mm
Weight:	180g
Ingress Protection:	IP67
Temperature:	
Operating	-20 to +85°C (note: battery charging is suspended at higher temps)
Storage	-30 to +85°C
Connectors:	
Power and Data	Samtec RC5, 30 way
Product Approvals:	CE, 2004/104/EC

Note: Specifications may change without notice.