


AT200 Vehicle Tracking Device with Bluetooth



HIGHLIGHTS

- 5 year warranty included as standard!
- Compact and fully integrated device – one box solution
- Very low idle power consumption – virtually zero battery drain on a parked vehicle
- 6 day internal battery life @ hourly update using low-power mode
- uBlox GNSS with 15mm ceramic patch antenna
- Quectel M66 GSM/GPRS communications
- Internal back-up battery, 900mAh
- 3 axis MEMS based accelerometer for driver behaviour reporting + motion detection
- 2 digital inputs
- 1 digital output MOSFET switch
- 1 RS232 serial port
- 1-wire (DS18B20) temperature sensors
- iButton (Dallas Key) driver ID
- Bluetooth based driver ID
- RFID / NFC card based driver ID
- Status LED indicators for GSM and GNSS
- TCP or UDP mode reporting
- SMS diagnostics
- Modular communications protocol 'X'
- Over the air firmware update – fast and reliable, typically 2-3 minutes to complete
- SDK option available
- Designed and assembled in the United Kingdom 

TECHNICAL SPECIFICATIONS (hardware version 3.x)

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 up-link (TX): Frequencies	824 – 849 MHz, 880 – 915 MHz, 1710 - 1785 MHz, 1850 – 1910 MHz
GSM down-link (RX): Frequencies	869 – 894 MHz, 925 - 960 MHz, 1805 - 1880 MHz, 1930 - 1990 MHz
GSM Antenna:	PIFA PCB trace antenna, quad band (internal)
Bluetooth Antenna:	PIFA PCB trace antenna (internal)
GPS Antenna:	15mm ceramic patch (internal)
GNSS Receiver:	ublox SAM-M8Q GPS, GLONASS, GALILEO & BeiDou L1 receiver: 72 channels Position accuracy: < 2.5m CEP Receiver sensitivity: -160dBm (tracking) TTF: Cold start 26 sec Hot start 1 sec
Input voltage:	6 – 36 volts DC 5 – 65 volts DC from HW Version 3.7
Internal Battery:	3.7V, 900mAh, lithium-polymer
Battery Life:	12 hours continuous operation 6 days operation in hourly update mode
Data transfer modes:	GPRS (TCP or UDP)
Inputs/outputs:	2 digital inputs 1 digital output, MOSFET open-drain switch iButton input (Dallas 1-wire) 1 RS232 serial port (TTL level optional)
Current drain, max:	250mA @ 13.8 VDC (battery charging at max. rate)
Current drain, typical:	25mA @ 13.8 VDC < 5mA (sleep mode - without battery) < 100uA (sleep mode - battery fitted)
Dimensions:	60 x 58 x 18 mm
Weight:	55g
Temperature:	Operating -20 to +85°C (note: battery charging is suspended at higher temps) Storage -30 to +85°C
Connectors:	Power and Data Molex MicroFit 3.0, dual row, 16-way
Product Approvals:	CE, 2004/104/EC

Note: Specifications may change without notice.