



T8

Versatile Telematics Platform



The T8 family of telematics products combines industry leading technology with the fastest end-to-end installation process and an excellent price – performance ratio. The T8 caters for all mobile applications that require accurate positioning and communication solutions in a cost-effective platform utilising convenient and secure internet protocols.

The T8 makes use of its three axis sensor accelerometer to provide enhanced driver behaviour measurements and integrates vehicle CANBus connectivity as well as Tachograph interfaces into a single rugged enclosure. On top of this, it houses an internal GSM antenna and large back up battery, and makes use of high sensitivity GPS technology providing an unprecedented level of performance in asset tracking.

Features	Benefits
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| Integrated GSM antenna and battery | ● Complete |
| Application implementation support | ● Short lead time |
| uBlox GPS technology | ● Industry leading GPS performance |
| 25 way connector | ● Standard interfaces |
| E-Marking, CE, FCC | ● Compliant to worldwide legislation |
| 12 / 24 Volt Operation | ● Approved for vehicles |
| CANBus vehicle connectivity | ● One box solution |
| RFID option | ● Compatible with all Trakm8 RFID tags |
| Bluetooth option | ● Third party interfacing |



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Highlights

- 12 / 24V Operation
- 1 Box Vehicle connectivity Solution
- OTA Configurable firmware
- Low power
- UK manufacturing
- European & US Approved
- Proven track record
- Comprehensive Security Solution
- Comprehensive AVL solution
- Remote vehicle diagnostics
- Backward compatible with T6

Application areas

- Transport & Logistics
- Security & Surveillance
- Insurance Rental
- Cars
- Vans
- Trucks
- Trailer Tracking
- Company Car Management
- Private/business Miles
- Taxi
- Bus Fleets
- Motor Homes
- Caravans
- Boats
- Plant Machinery
- Farm Machinery

Specifications

GPS Receiver:	uBlox NEO-6 50 Channel (1 million effective correlators) -160dBm acquisition & tracking sensitivity <1 second Time-To-First-Fix for hot and aided starts 2.5m CEP accuracy
Modem:	uBlox LEON-G200 (Quad Band GSM/GPRS) GSM 850 MHz, EGSM 900 MHz, DCS 1800 MHz and PCS 1900 MHz Class 10
GSM Antenna:	Internal
GPS Antenna:	External Active Type (3VDC)
Supply Voltage:	6 – 32V
Current draw:	Running: 80 mA Avg. (peak <600mA) @12V
Sleep:	<2mA @12V
Deep Sleep:	<300uA @12V
Protection:	Over voltage & Reverse power protection
Battery (optional):	3.8V/1500mAh Li-ION type Integrated battery charger with protection circuit
Memory (RAM/FLASH):	512KB / 16MB
Micro SD Card	Supports 512MB to 2GB cards (optional)
Serial ports:	2 x RS232 (all standard baud rates)
1-Wire:	Integrated support for Driver ID reader & temperature sensors
Ignition input:	Dedicated voltage sensing ignition input
Digital I/O:	5 x configurable inputs and outputs.
Digital outputs:	2 x configurable as a 1 Amp switch to ground power drives, overload & short circuit protected or as a digital input.
Analogue inputs:	3 x configurable as a 0-30 VDC voltage sense (12 bit resolution) input or as a digital input.
Voltage monitoring:	Internal battery state & supply voltage.
Accelerometer:	Internal 3 axis sensor
Trembler:	Internal mechanical tremble sensor
Vehicle interface:	CAN 2.0A & 2.0B (125/250/500kbit & 1Mbit speeds supported) K-Line
Vehicle protocols:	J1939 (trucks & heavy duty) OBDII (cars & LCV) Other proprietary
LED Indicators:	3 internal LED's indicating GSM/GPS/CAN/OBD & application status 2 dedicated external LED drive outputs (can be used to directly drive buzzers) Dedicated push button input
Driver button:	Internal proprietary 433MHz receiver, typical range 10 – 100m (optional)
RFID Receiver option:	Laird Technologies BTM411/BTM431
Bluetooth options	132 x 108 x 28 (excluding connector)
Size:	180g
Weight:	180g
Material:	PA66 20%GF Black, flammability rating UL 94 V-0
External connectors:	SMA socket – GPS Antenna 25 Way 'D' type female main connector
Environmental Rating:	IP65
Operational Temperature:	-40°C to +85°C (no battery) -20°C to +85°C (with battery)

Additional Service Options

- Web based configuration tool
- Unit programming & configuration
- Customised packaging & shipping
- Customised unit & packaging labelling
- Bonded stock holding and call-off service
- Extended 3 year warranty
- Voice option: Internal Bluetooth® voice hands free module

Accessories

- Cables & Fuse
- GPS Antenna
- Dallas receptacles
- Driver button
- Micro SD Card
- LED Driver feedback