



TMU600

All in one fleet tracking unit

- CAN/1708/1939
- Dual mode Bluetooth 4.0
- Classic and low energy
- Support for HOS applications
- Auto-calibrating 3-axis accelerometer
- Full Garmin FMI native support
- Optional internal backup battery
- Multiple I/O for activity monitoring and peripheral support
- Intelligent power management
- Automatic over-the-air configuration and upgrade
- Fail-safe technology
- Voltage protection

The TMU600 is a highly configurable, feature rich, mobile asset tracking device designed to service a wide variety of market and industry requirements. The TMU600 incorporates leading edge, quality components for superior reliability, including high performance internal cellular and GPS antennas and an auto-calibrating 3-axis accelerometer for monitoring and reporting of rapid acceleration, deceleration, harsh cornering and other events.

Dual Mode Bluetooth 4.0, CAN/J1708/1939 Support

The TMU600 supports CAN/J1708/1939 interfaces to enable vehicle bus communications. Dual mode Bluetooth 4.0 allows for integration with tablets for use in such applications as HOS and driver performance. The support for multiple vehicle buses allows for ease of installation and compatibility with a broad set of vehicles.

Over-the-air Serviceability

TMU600 incorporates Coretex industry leading over-the-air device management and maintenance software. Customers can manage devices individually or by groups and Coretex can configure parameters including firmware remotely. Coretex offers out-of-the-box, hands-free configuration and automatic post installation upgrades to monitor device health status to quickly identify issues before they become expensive problems.

TMU600 Specifications

General

Communication Modes	GPRS/EDGE/HSPA and UDP/ TCP/TFTP/SMS J1939, J1979, J1708 ISO 15765-4 CAN
Bluetooth	Dual Mode 4.0 Classic & Low Energy

GPS

GPS Receiver	72 channel, GPS/GLONASS
Tracking Sensitivity	-167dBm Tracking, Nav -156dBm Reacquisition -148dBm Cold Start (un-aired)
Horizontal Accuracy	2.0m CEP
Time-to-first-fix	26s (@ -130dBm, cold start)

Physical

Dimensions	9.5 x 7.5 x 1.9cm
Weight	113g

Electrical

Operating Voltage DC	8-30V
Power Consumption	<100mA @ 12.8V (avg) 680mA (peak) TBD Napping <1mA Sleep

Environmental

Temperature	-20° to +65° C (connected to primary power) -40° to +85° C (storage)
Humidity	5 - 95% non-condensing
Shock and Vibration	SAE J1455
EMC/EMI	SAE J1113

Connectors / SIM Access

Power Connector	20-pin 3mm Molex
Data Connector	10-pin 3mm Molex

Inputs / Outputs

Digital Inputs	6 (3 hi, 2 low, 1 analogue)
Relay Drive Outputs	2 (150mA max each)
Switched Output	1 (2.1A max)
LED drive Output	1
RS232 Port	1 (5-wire) J1708 port CAN port
Status LED's	2

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