



# TMU300

Giving you leading fleet management features

- High performance internal cellular & GPS antennas for ease and flexibility of installation
- Auto-calibrating 3-axis accelerometer
- RTC wake up modes
- 2 wire install (no ignition)
- 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 TMU300 is a highly configurable, feature-rich, mobile asset tracking device designed to service a wide variety of industry requirements. The TMU300 is an ideal solution for Mobile Resource Management, vehicle tracking and many other location-aware applications and services. The TMU300 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.

### Backup Battery, Input / Output & Peripherals

The TMU300 capabilities enable peripheral support, multiple configurations and monitoring including digital inputs and outputs, and relays. Optional backup battery allows for operation with the absence of power and also for last gas applications.

### Over-the-air Serviceability

TMU750 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.

# TMU300 Specifications

## General

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Communication Modes	GPRS/HSPA and UDP/TCP/ TFTP/SMS 1 x RTT
Connection Type	18-pin 3mm Molex

## GPS

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GPS Receiver	72 channel, GPS/GLONASS
Tracking Sensitivity	-164dBm Tracking, Nav -159dBm Reacquisition -147dBm Cold Start
Horizontal Accuracy	2.5m CEP
Time-to-first-fix	27s (@ -130dBm, cold start)

## Physical

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Dimensions	10.3 x 5.4 x 1.9cm
Weight	70g

## Environmental

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

## Electrical

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Operating Voltage	8-30V DC
Power Consumption	40mA (avg) 680mA (peak) <15mA Napping <1mA Sleep

## Inputs / Outputs

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Digital Inputs	3 (2 hi, 1 low)
Relay Drive Outputs	2 (150mA max each)
Status LED's	2

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