



AddSecure TTU 2830

Monitor & Protect Your Most Valuable Assets

Keep track of your assets with AddSecure's TTU 2830; our most robust and reliable asset tracking solution. Whether it's a fleet of trailers, forklifts or tractors, monitor all your assets in real-time from our user-friendly, web-based fleet management platform.

Protect against unauthorised use or theft with the TTU 2830's inbuilt security alerting feature. Receive an instant SMS/email notification if your assets have been moved outside of a geofenced area; increasing your chance of recovering your assets, and minimising the likelihood of damage to your valuable equipment. For an added security measure, our integrated door sensors can provide additional event-based data. Ensure you are getting the most out of your fleet with our comprehensive reporting suite. Quickly identify assets that are being underutilised and reallocate your resources to maximise your fleet's productivity.

Key features:

- Live Asset Tracking
- Utilisation Reports
- Real-Time Geofence Alerting
- Trailer Allocation
- Historic Reports
- Robust & weatherproof – IP66 certification
- Suitable for 12v & 24v vehicles
- Wired to trailer side lights or other source of power
- Live location tracking
- Optional input for door opening/temperature sensors
- Fully integrated telematics platform



Technical specifications

Electrical

Operating Voltage	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	Typical 400uA @ 12V (deep sleep) Typical 15mA @ 12V (radio-active sleep) Typical 60mA @ 12V (active tracking w/GPS and cell enabled)

Battery Pack

Battery Capacity	Up to 5200 mAh
Battery Technology	Lithium-Ion
Charging Temperature	0° to +45° C

Satellite Location (GNSS)

Constellation Support	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS)
Channels	55 Channel
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-156 dBm (hot start) -148 dBm (cold start)
Location Accuracy	~2.0m CEP Open Sky (SBAS 24 hours static)
Location Update Rate	Up to 4 Hz

Environmental

Temperature	-30° to +60° C (connected to primary power) -20° to +60° C (operating on internal battery) -20° to +25° C (storage > 3 months)
Humidity	95% RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G, SAEJ1455
ESD	SAE J1113-13 (4 KV Limit)
Ingress Protection Rating	IP66

Physical/Design

Dimensions	4.5 x 3.2 x 1.6" (114 x 80 x 39mm)
Weight	8.11 oz. (230g)

Connectors/SIM Access

Power, I/O	12 wire captive harness
SIM Access	Internal (2FF SIM)

Comprehensive I/O

Ignition Inputs	1 fixed bias
Digital Inputs	2 (high/low bias selectable 0-30 VDC)
Digital Outputs	3 (open collector relay 150mA)
Analog Inputs	1 external ADC input
Accelerometer	Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection)
Serial Interface	1 TTL port
1-Wire® Interface	1 (driver ID/temperature sense)
Status LEDs	2 (GPS and cellular)

Data Support

SMS, UDP Packet Data, TCP, CalAmp Telematics Cloud API

Device Management

PULS	Monitor, manage, upgrade firmware, configure and troubleshoot devices remotely
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Embedded Intelligence Engine

PEG	Update device functionality or develop new on the edge applications
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Certifications

Industry Certifications - FCC, IC, PTCRB, RoHS

