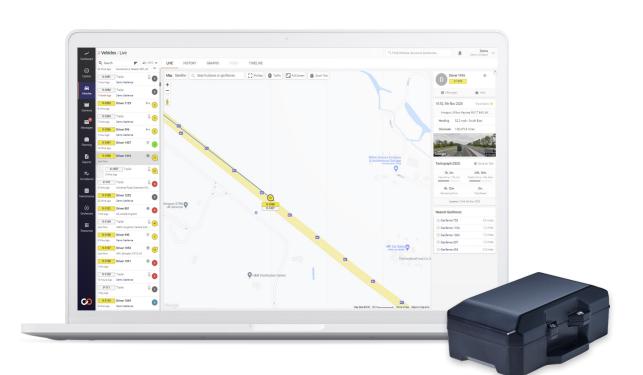
# ADD SECURE



# 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



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## **Technical specifications**

<b>Electrical</b> Operating Voltage Power Consumption	12/24 VDC Vehicle Systems 9-30 VDC (start-up, operating) 7-32 VDC (momentary) Typical 400uA @ 12V (deep sleep) Typical 15mA @ 12V (radio-active sleep)
	Typical 60mA @ 12V (active tracking w/GPS and cell enabled)
<b>Battery Pack</b> Battery Capacity Battery Technology Charging Temperature	Up to 5200 mAh Lithium-Ion 0° to +45° C
Satellite Location (GNSS) Constellation Support Channels Tracking Sensitivity Acquisition Sensitivity Location Accuracy Location Update Rate	Hybrid GPS, GLONASS, SBAS Engine (WAAS, EGNOS, MSAS) 55 Channel -167 dBm -156 dBm (hot start) -148 dBm (cold start) ~2.0m CEP Open Sky (SBAS 24 hours static) Up to 4 Hz
Environmental Temperature Humidity Shock and Vibration ESD Ingress Protection Rating	-30° to +60° C (connected to primary power) -20° to +60° C (operating on internal battery) -20° to +25° C (storage > 3 months) 95% RH @ 50° C non-condensing U.S. Military Standards 202G, SAEJ1455 SAE J1113-13 (4 KV Limit) IP66
<b>Physical/Design</b> Dimensions Weight	4.5 x 3.2 x 1.6" (114 x 80 x 39mm) 8.11 oz. (230g)
<b>Connectors/SIM Access</b> Power, I/O SIM Access	12 wire captive harness Internal (2FF SIM)
Comprehensive I/O Ignition Inputs Digital Inputs Digital Outputs Analog Inputs Accelerometer Serial Interface 1-Wire® Interface Status LEDs	1 fixed bias 2 (high/low bias selectable 0-30 VDC) 3 (open collector relay 150mA) 1 external ADC input Built in, triple-axis (driver behavior, impact detection, motion sensing, tilt detection) 1 TTL port 1 (driver ID/temperature sense) 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
<b>Embedded Intelligence Engine</b> PEG	Update device functionality or develop new on the edge applications

## Certifications

Industry Certifications - FCC, IC, PTCRB, RoHS

CE