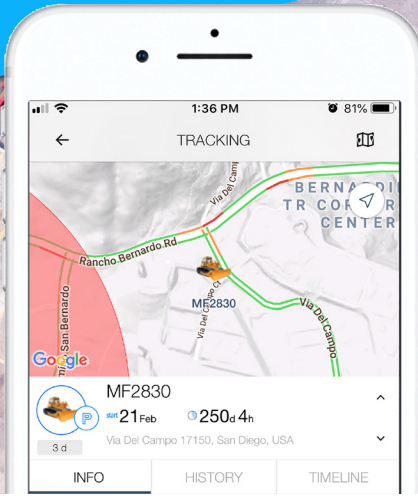


MiFleet

MF2830



The MF2830 weatherproof trailer tracking product is designed for reliable, long-term deployments. The MF2830's rechargeable battery pack makes it an ideal solution for managing assets that are normally tethered to 12 or 24 volt systems such as trailers or other powered assets.

Features

- 24/7 Monitoring of Equipment
- Cellular (LTE) Network Connectivity
- Real-Time SMS and Email Alerts
- Historical Records of Location
- Legacy Equipment Compatible
- Mount & Monitor Installation
- Cloud-Based Web Application
- Mobile Applications (iOS/Android)
- GeoFence Alerting

Hardware

- MF2830 Trailer Tracker
- 6 Month Battery Life (Rechargeable)
- LTE Connectivity
- IP66 Weather Resistant Enclosure



Asset



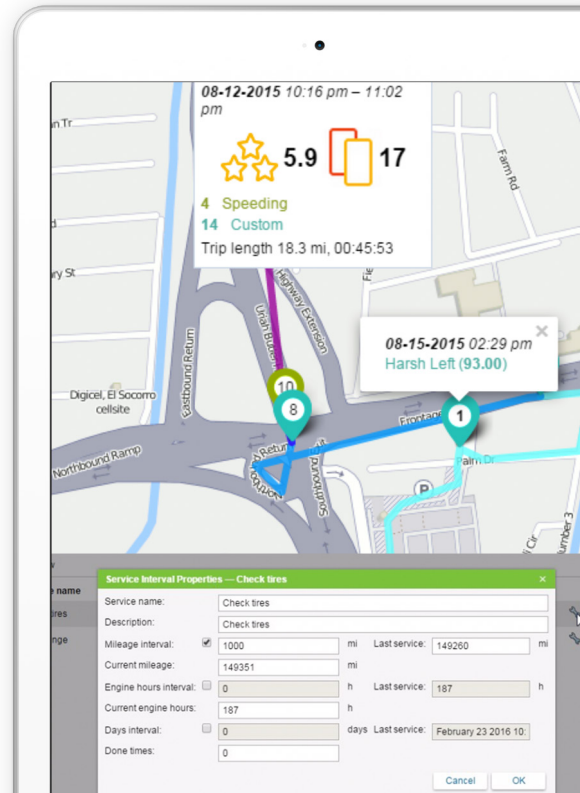
Trailer



Machinery

Benefits

- Location Awareness
- Lost Asset Recovery



MF2830

LTE Series

Trailer Tracking Unit and Light Vehicle Interface



OVERVIEW

The MF2830 weatherproof trailer tracking product is designed for reliable, long-term deployments. The MF2830 rechargeable battery pack makes it an ideal solution for managing assets that are normally tethered to 12 or 24 volt systems but may sit disconnected for periods of time.

GENERAL

Network Technology	4G LTE CAT-1
Location Technology	55 Channel GPS (w/SBAS)
Operating Voltage	12/24 VDC Vehicle System

GPS

Location Technology	GPS; GLONASS
Enhancement Technology	SBAS: WAAS, EGNOS, MSAS, GAGAN
Tracking Sensitivity	-167 dBm
Acquisition Sensitivity	-148 dBm (cold start) -156 dBm (hot start)
Location Accuracy	2.0m CEP (SBAS 24 hours static)
Location Update	4Hz
Anti-jamming	AGPS/Location assistance capable

ELECTRICAL

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

PHYSICAL

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

CERTIFICATIONS

FCC, IC, PTCRB

MiFleet

PRODUCT FEATURES

- LTE configuration
- Rechargeable battery
- IP-66 sealed enclosure
- High sensitivity GPS
- 3 Inputs / 3 Outputs / 1 external ADC
- 3-axis precision accelerometer for motion detection

PRODUCT OPTIONS

- Screw mounting bracket, tie-wrap, adhesive/Velcro

CELLULAR/BANDS

North America Variant I 4G LTE CAT-1	700(B12) /AWS(B4) /1900(B2) / 850 (B5)
3G HSPA+/UMTS	850(B5)/1900 (B2)
North America Variant II 4G LTE CAT-1	700 (B13)/AWS (B4)
Data Support	SMS, UDP Packet Data, TCP

CONNECTORS, SIM ACCESS

SIM Access	Internal
Power, I/O	12 wire captive harness

BATTERY PACK

Battery Capacity	5200 mAH
Battery Technology	Lithium-ion
Charging Temperature	0° to + 45° C

ENVIRONMENTAL

Temperature	-30° to + 60° C (primary power) -20° to + 60° C (internal battery) -20° to + 60° C (storage>3months)
Humidity	95%RH @ 50° C (non-condensing)
Shock and Vibration	U.S. Military Standards 202G SAE J1455
EMC/EMI	SAE J1113-13 (4KV Limit)
Ingress Protection Rating	IP-66 Enclosure

COMPREHENSIVE I/O

Inputs	Ignition (1 fixed bias), Digital (2 high/low bias 0-30 VDC), Analog (1 ext. ADC)
Outputs	Digital 3 (open collector relay 150 mA)
Interface	Serial (1TTL port)1-Wire (Driver ID, Temperature sensor)
Status LED's	2 (GPS, Cellular)