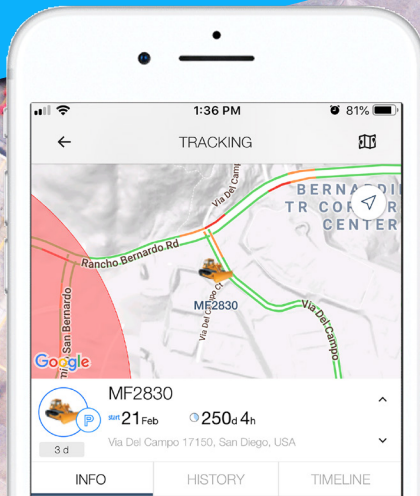# MiFleet

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 2G 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

Benefits

- Location Awareness
- Lost Asset Recovery

Hardware

- MF2830 Trailer Tracker
- 6 Month Battery Life (Rechargeable)
- 2G Connectivity
- IP66 Weather Resistant Enclosure

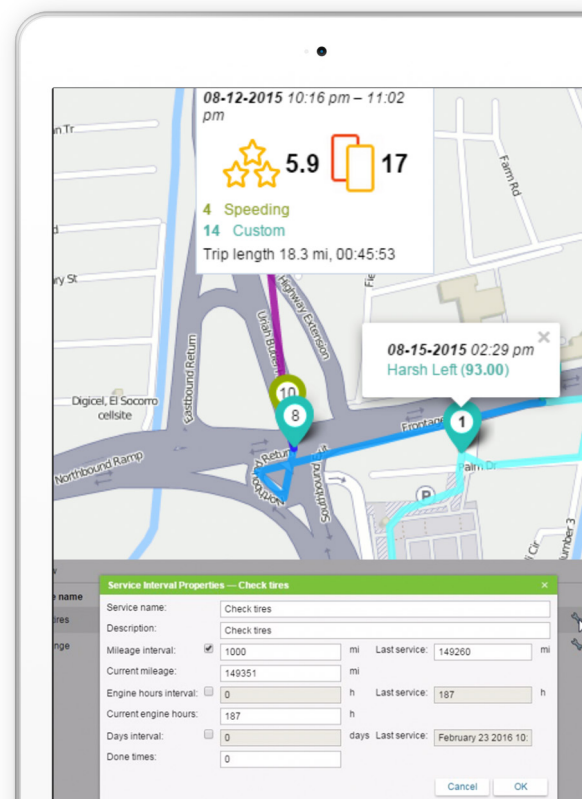Asset   Trailer   Machinery

www.mifleet.us

MF2830
2G 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	CDMA
Location Technology	56 Channel GPS
Operating Voltage	12/24 VDC Vehicle System

GPS

Location Technology	GPS; QZSS capable
Enhancement Technology	SBAS: WAAS, EGNOS, MSAS
Tracking Sensitivity	-162 dBm
Acquisition Sensitivity	-148 dBm
Location Accuracy	2.0m CEP
Location Update	Up to 10 Hz
Anti-jamming	AGPS/Location assistance capable

ELECTRICAL

Operating Voltage	9-30 VDC (start-up, operating) 7-32 VDC (momentary)
Power Consumption	500uA @ 12V (deep sleep) 13mA @ 12V (radio-active sleep) 41mA @ 12V (SMS + UDP connection, GPS off) 86mA @ 12V (continuous tracking)
Battery	5.3 mAh Lithium-ion battery

PHYSICAL

Dimensions	2.2 x 4.3 x 1.59", (54 x 110 x 40 mm)
Weight	12oz (340g) (with harness)

PRODUCT FEATURES
· CDMA 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

Operating Bands (MHz) CDMA/1xRTT	850 / 1900
Data Support	UDP packet data, SMS

ENVIRONMENTAL

Temperature	-20° to + 70° C (operating) -40° to + 85° C (storage)
Humidity	95%RH @ 50° C (non-condensing)
Shock and Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI	SAE J1113-13; FCC-Part 15B; Industry Canada
Ingress Protection Rating	IP-66 Enclosure

CONNECTORS, SIM ACCESS

Vehicle BUS I/F, Power, I/O	12 wire captive harness
Cellular Antenna	Internal
GPS Antenna	Internal
ADC Input	External

COMPREHENSIVE I/O

Digital Inputs	3 (1 fixed, 2 programmable bias)
1-Wire Interface	1 (driver ID, temperature sense)
Digital Outputs	3 open collector relay (150 mA)
Analog Inputs	1 External ADC input
Status LED's	2 (GPS, Cellular)
Serial Interface	Serial port (TTL Level)

CERTIFICATIONS
FCC, CE, IC, PTCRB, Applicable Carriers