

FEATURES

- » 4G LTE
 - CAT 1: 2/4/12
 - BANDS: 1/2/4/5/12/25/26
- » LED INDICATORS
- » IP68 WEATHERPROOF
- » BUILT-IN 6400 mAh BATTERY
- » 64MB INTERNAL FLASH MEMORY
- » SUPPORTS GPIO
- » RS232
- » 1-WIRE INTERFACE
- » ACC/ ANALOG INPUTS
- » 3-AXIS ACCELEROMETER
- » BLUETOOTH 4.1
- » COMPATIBLE WITH ELD

Benefits:

- Location Based Services
- Up to 120,000 logs
- Interval: 30-Second
- Waterproof / Dust Proof
- Extreme Weather Conditions
- Unauthorized Movement Alert
- Configurable Inputs/Outputs
- Driver ID options
- Temperature options
- Relay attachment options



MiFleet Weatherproof Asset Tracking:

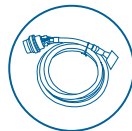
ATrack AS11 | 4G LTE

ATrack AS11 is an ideal solution for trailers, heavy equipment, and other outdoor equipment. The device is durable and designed to be weatherproof with an IP68 rating. The AS11 has a built-in battery, accelerometer and accessory attachments for Temperature, RFID or iButton readers.



IP68 Weatherproof

This device is deemed fit enough to **withstand dust, dirt, and sand and is resistant to submersion** up to a maximum depth of 1.5m underwater for up to 30mins.



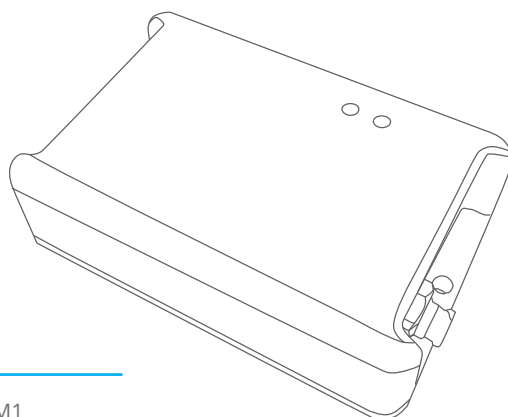
Built-in Battery

With the AS11 you have a **6400mAh built-in battery** to allow for **long-term deployments** and **unpowered asset tracking**.



Expandable Sensors

The AS11 has **general purpose inputs for variable sensor needs** including temperature, RFID and more.



CELLULAR

AS11-MX (At&T)	LTE FDD Cat.M1 B2 (1900), B4 (AWS1700), B12 (700)
AS11-LS (Sprint)	LTE FDD Cat.1 B2/B25 (1900), B4 (AWS1700) B5/B26 (850), B12 (700)
Data Support	UDP / IP, TCP / IP, SMS over IMS
Antenna	Embedded cellular antenna

GPS

Receiver Type	99 channel engine
Location Technology	GPS & GLONASS
SBAS Support	WAAS, EGNOS, GAGAN, MSAS
Tracking Sensitivity	-167dBm
Acquisition Sensitivity	-149dBm
Location Accuracy	2.5m CEP 50%
Antenna	Internal (Optional external antenna)

COMPREHENSIVE I/O

Vehicle Bus (Optional)	External Adapter
Serial Interface	RS232
Digital Ignition Input	1 Positive Input (Configurable)
Digital Inputs	Up to 2 (Configurable)
Digital Outputs	Up to 2 (Configurable) Max. sink current 500mA
Analog Inputs	Up to 1 (Configurable) DC 0~40V (12bits resolution)
1-Wire Interface	1(Driver ID, Temperature sensors)
LED Indicators	2 LEDs (GPS, Cellular)
Bluetooth (Optional)	2 LEDs (GPS, Cellular)

SENSORS

Accelerometer	3-axis ±16g
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DEVICE MANAGEMENT

Configuration	ADM, SMS, RS232 Cable
Firmware Update	ADM, FOTA, RS232 Cable

ELECTRICAL

Operating Voltage	Vehicle 12V / 24V system\
Current Consumption	Operating: 30-120mA@12V Deep Sleep: < 1.2mA@12V
Backup Battery	3.7V 6400mAh

MEMORY

Internal Flash Memory	64 Megabit
Queue	Up to 120,000 logs Up to 21,000 queues

ENVIRONMENTAL

Operating Temperature	-20 to +60 °C (with battery) -40 to +70 °C (without battery)
Humidity	95%RH @ 50° C non-condensing
Vibration/Shock	MIL-STD-810G, SAE J1455
IP Rating	IP68

PHYSICAL

Dimension	120 mm x 80 mm x 36 mm (4.72" x 3.15" x 1.42")
Weight	250g (0.56 lb)
Enclosure	Flame Retardant ABS+PC
Mounting Method	Screw Mount, Magnet Mount

CONNECTORS

I/O Connection	Circular 8 Pin Connector
SIM Card Socket	Internal Nano SIM (4FF)
Accessory Interface	RS232 with 5V (±5%) power (5V is available in non-battery mode only)
External GPS (Optional)	SMA
Configuration Interface	RS232 Interface

CERTIFICATION

Standard	FCC, IC, PTCRB, RoHS
Carriers	Sprint, AT&T, TELUS