

## Asset Tracker M-IoT Series

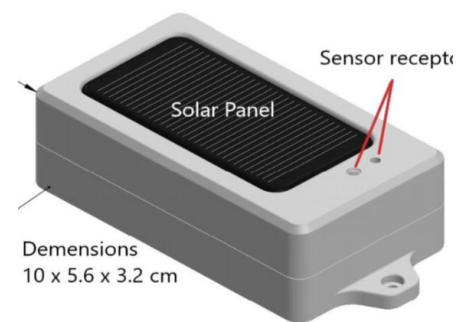
### Common Issues with Traditional Asset Tracking Hardware

- Expensive hardware and deployment costs
- Expensive monthly recurring costs
- Massive batteries to support multi-year deployments or constant replacement of expensive batteries
- Not real-time and not configurable
- No sensors or external connections
- Old cellular technology (3G is sunsetting very soon)

### M-IoT Series - Game Changing Asset Tracker

#### Benefits

- Ultra Low Power
- Long Battery Life (8-10 years) with 2 AA size batteries / Unlimited with solar option
- Low Device / Deployment Cost
- Full LTE-M Coverage (even in rural / indoor areas)
- Compact and Lightweight
- Sensors to detect movement / light / temperature / humidity
- Highly configurable over-the-air updates



**Sensors provide a comprehensive array of essential data**

<b>Temperature</b> C F 	<b>Humidity</b> % 	<b>Barometric Pressure</b> 
<b>Battery Power Level</b> 	<b>Light Exposure</b> 	<b>Motion / Impact</b> 

**Designed and built to last**

<b>IP 67 Rating</b> 	<b>Long Battery Life (up to 8 years)</b> 	<b>Rugged Construction</b> 
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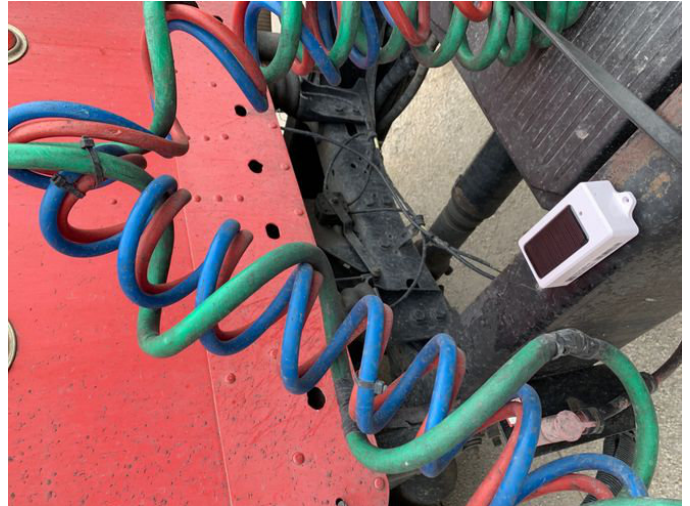
**Certified, state-of-the-art technology**

Cat M1 PTCRB AT&T

## Features

- Off-the-shelf Deployment (magnet mounts available)
- Real-time tracking
- GNSS: GPS / QZSS, GLONASS, Galileo enabled
- IP 67 rugged: water/dust proof
- Temperature
- Humidity
- Light (Lux)
- Accelerometer: motion detection and motion start/stop updates
- External sensors: Configurable sensor alerting

## Installation Examples - MIoTT w/magnetic mount



## Technical Specifications - M-IoT Series

### General

Communication	LTE CAT M1/ CAT NB1
Location Technology	High accuracy with 3 concurrent GNSS (GPS, Galileo, GLONASS)

### GPS

Receiver	72-channel u-blox M8 engine GPS/QZSS L1 C/A, GLONASS L1OF Galileo E1B/C SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN.
Sensitivity	Tracking & Navigation: -165 dBm Cold start: -146 dBm Hot start: -155 dBm
Accuracy	Position accuracy 2.5 m CEP

### Cellular

Data	LTE CAT M1 Packet Data (CoAP/UDP) / CAT NB1 Packet Data CoAP/UDP/Neul IoT Broker
Operating Bands	North America (Bands 2, 4, 5, 12), World Global (AT&T, T-Mobile USA, Telstra, Verizon) Cat M1/NB1 deployed (Bands 2, 3, 4, 5, 8, 12, 13, 20, 28)

### Battery

Standard with 2 (3.6 V AA Battery)

### Sensor

Environmental	Temperature	[-40, +85; Absolute accuracy $\pm 0.5$ °C]
	Humidity	[-40, +85; Absolute accuracy $\pm 3$ %RH]
	Pressure	[-40, +85; Absolute accuracy $\pm 1$ hPa]
3-Axis Accelerometer	Motion, shock and tilt triggers	

### Certification

Certifications: AT&T Targets: FCC, IC , Verizon ODI, Bell, Ericsson, T-Mobile, Telefonica

### Physical

Dimensions		mm	Inches	
	Height	100.6	3.96	
	Height w/ tabs	124.1	4.89	
	Weight	TBD		
Weight	TBD	Width	56.6	2.23
		Thickness	33.7	1.33

### Environmental

Temp	-40 to +85C (batteries)
	-40 to +85C (batteries)