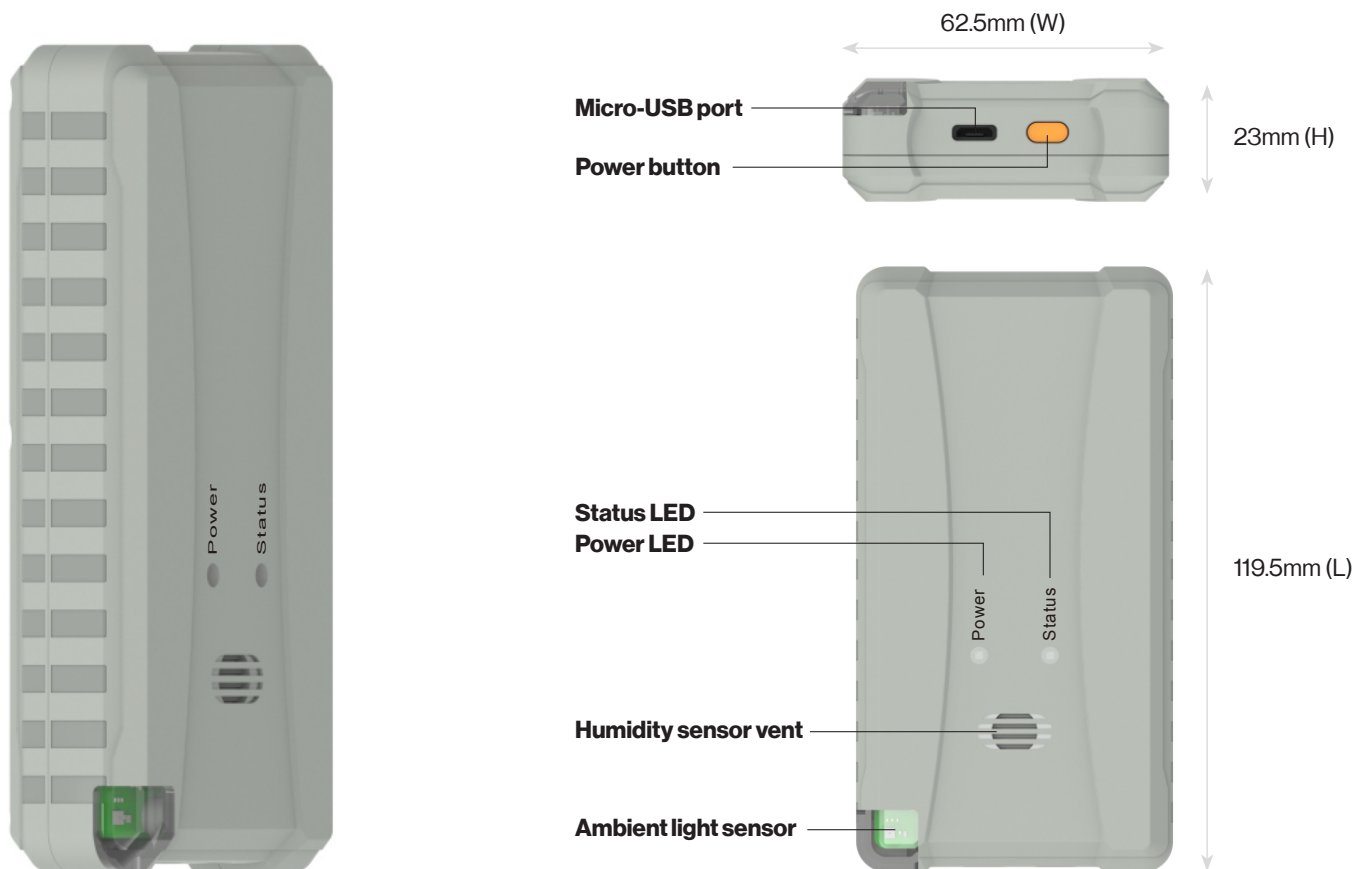


Verizon Global Asset Tracker

Overview

Solving business challenges is tough enough without having to figure out complex sensor solutions. Get right to the data you need to solve those challenges with the Verizon Global Asset Tracker. The solution is built to tackle many different IoT use cases from tracking a mobile asset to monitoring an indoor environment.



Verizon Global Asset Tracker

Specifications

Wireless communications

LTE Cat-M1 Global
GSM 2G GSM GPRS - Quad Band

Location services

GPS GPS 1575.42 MHz (L1)
Cellular Cell ID

Certifications

Environmental RoHS
Regulatory (i.e. FCC, CE) FCC: Part 15,22,24
Cellular Verizon Open Development Certified

Interfaces

Power Micro-USB

Indicator/Buttons

LED 2 LED Power and Status
Button Touch Sensitive (Wake - 2 second press, Reset - 11 second press)

Physical characteristics

Grade Industrial
Dimensions 119.5mm (L) x 62.5mm (W) x 23mm (H)
Weight 156g (5.5oz.)

Environmental

Operational temperature -20°C – 60°C
Storage temperature -20°C – 75°C
Humidity <95% non-condensing
Drop 4 ft onto concrete
Vibration up to 500Hz random 1.25G rms
Sealing IP67



Verizon Global Asset Tracker

Specifications

Sensors

Accelerometer	3 - axis, scalable up to +/-16g
Orientation.....	0 to 360 degrees around x and y axis
Temperature.....	-20°C – 65°C +/- 0.5°C
Humidity.....	0% – 95% RH
Pressure (Barometer)	300 – 1100 hPA
Ambient light.....	0k – 64k lux

Remote device configuration

Reporting configuration	Yes
Location reporting activate/deactivate.....	Yes
Sensor alarm configuration	Yes - programmable threshold
Sensor read configuration	Yes

Battery

Battery	4000mAh Rechargeable Li-oN
Battery charge time	4hrs from 0 – 100%

Battery life estimates CAT-M1

Sensor read frequency	Reporting frequency	Estimated battery life
5 min	15 min	19 days
5 min	30 min	36 days
15 min	2.5 hrs	160 days
15 min	24 hrs	268 days

Battery life estimates 2G-GSM (GPRS)

Sensor read frequency	Reporting frequency	Estimated battery life
5 min	15 min	10 days
5 min	30 min	18 days
15 min	2.5 hrs	80 days
15 min	24 hrs	130 days

