Introducing the Eagle 1

Our ruggedized device for location, maintenance, and GPS tracking is the industry’s most advanced tracker, offering military-grade protection from weather, water, dust, and sun.

The Eagle 1 runs on LTE Cat-M, the next-generation wireless network specifically adapted for use in machine-to-machine communications for telematics. The network offers higher coverage penetration, and lower power consumption, at a lower cost than any other available network.

The Eagle 1 is a 100% cloud-managed device, running on Momentum’s cloud-based IoT management tools. This means it is deployed without field-application engineering, while maintaining the highest security standards.

Momentum was built from the gravel up, by professionals, for professionals. We understand what you need in a tracking solution because we’ve been there.

The Momentum Eagle 1 is backed by a lifetime replacement warranty.
Dimensions
3.6 in x 4.15 in x 1.4 in

Weight
6.91 ounces / 196 grams / 0.43 lbs

Communications Mode
LTE Cat-M; Frequency bands: LTE: 2/4/12

SIM Access
Internal

Location Technology
A-GPS enhanced geo-location

Architecture
100% cloud-based decisioning, with firmware over-the-air updates on demand

Location Accuracy
95% of reports within 1.5 meter accuracy

Security
End-to-end encrypted

Authentication
Unique digital signature per device

Compression
Industry-leading compression standards enable reduced airtime data usage, and sub 1 second time to fix from hot start

Mounting - The Eagle 1 offers two harness options
1. Plug-in OBD-II harness connects to diagnostic port. Suitable for: light to medium duty passenger vehicles, pickup trucks, and vans.

2. 12-Volt harness with pigtail. Suitable for direct-to-battery install on light equipment, big rigs, and heavy equipment. No diagnostics.

Environmental - IP 67 rated
Dust: Protected from total dust ingress
Water: Protected from immersion between 15 centimeters and 1 meter in depth

Shock and Vibration - SAE J1455 standard
Recommended Environmental Practices for Electronic Equipment Design in Heavy-Duty Vehicle Applications
Bluetooth
Bluetooth Low Energy (BLE) 5 transceiver. Backward compatible to 4.0

Connectors
Rugged waterproof plastic, with standard OBD plug-in harness for behind dashboard installation

Temperature
-22 to 170 Fahrenheit

Power - 12v DC
@5 mA in passive mode
@90 mA in transmit mode
@500 mA in max charging mode

OBD
100% cloud-based OBD interrogation

API
Open - RESTful and Webhooks

Network Schedule
LTE Cat-M is not subject to the upcoming 3G/HSPA/GPRS sunsets affecting most major telematics providers