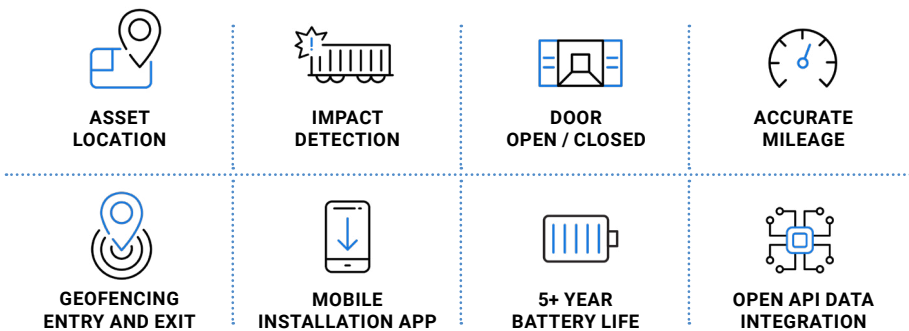


BlackBerry Radar H2M

Providing Asset Visibility and Reliable Data You Can Trust

BlackBerry Radar® H2M is engineered to solve transportation industry issues, needs and challenges for non-powered assets. Developed using 30+ years of experience delivering secure, mission-critical products, H2M is the next generation monitoring solution incorporating new technologies for extended battery life while providing the same high level of reliable data. This industry leading device combines all the sensors and data collection you expect, including asset location and status, geofencing entry and exit, maintenance scheduling and single asset and fleet utilization. Radar H2M ensures you have a robust asset tracking solution specifically engineered for Drayage, Intermodal, BCOs, Shipping Lines and IEPs to maximize equipment efficiency, reduce costs and improve customer service.



BlackBerry Radar H2M



Readings and Capabilities

BlackBerry Radar H2M gives operations managers, dispatchers, maintenance personnel, and customer service representatives the information they need to locate valuable assets, and act quickly and effectively. Reliably know asset location, geo-fence entry and exit, trip reporting and mileage reporting. Radar H2M has an open API to easily integrate with your existing platform and device infrastructure for visibility across your assets or fleet under one pane of glass.

CUSTOM GEOFENCING – ENTRY AND EXIT

- Capture accurate gate and location entry and exits
- Measure Dwell and Detention times for internal and external use

MAGNETIC POWER UP

- Before installation, remove a magnetic tab on the outside of the H2M unit and power is on
- Save time and money, no longer required to open the H2M unit to power up

ACCURATE MILEAGE

- Track mileage for maintenance service intervals to ensure a safe and compliant fleet
- Use mileage to measure costs and warranty items

TRIP REPORTING

- Show bread-crumbs along the route to get accurate location and progress
- Accurately schedule last mile delivery for better customer service

ASSET LOCATION

- Automate yard checks and inventory management
- Prevent lost and mis-used equipment

MOBILE APPLICATION FOR INSTALLATION

- Tag the Radar H2M unit to the asset using the mobile app
- Automates the upload of the unit assignment into the Radar platform

BlackBerry Radar H2M

Low-Maintenance, Scalable, Asset Monitoring You Can Trust

Technical Specifications

Physical

Size

314mm x 97mm x 43.5mm
(12.3" x 3.8" x 1.7")

Weight

1.069kg (2.36lb)

GNSS

GPS/GLONASS:

Location, mileage reporting,
route tracking

Sensors

3-Axis Accelerometer and Gyroscope:

Start stop, door open/close, container
on/off, tamper alerts, impact detection

Battery

Built-In Long-Lasting Lithium Thionyl Chloride Battery:

273 Wh capacity
(38 Ah @ 7.2V)

- Up to 5 years of battery life*

* Battery life estimates are based on testing during moderate asset usage. Battery life may vary depending on actual usage.

Communication

LTE CAT-M1 modem:

North America, Europe,
APAC RF bands supported:

- LTE FDD: 1, 2, 3, 4, 5, 8, 12, 13, 18,
19, 20, 25, 26, 27, 28, 66, 85

Sensor Gateway:

- SubGHz short range connectivity
915MHz, 869.85MHz and
2.4 GHz with a BlackBerry
proprietary protocol

Processor and Memory

- 32-bit CPU with low current drain
- LPDDR + Flash

Environmental

- Operating Temperature Range:
-40 to 85°C (-40 to 185°F)
- Operational Altitude:
-500 to 15,000 feet

Software, Updates and Security

BlackBerry QNX RTOS

BlackBerry QNX Wireless

Framework 1.0

BlackBerry Secure IoT Platform Client:

- Over-the-Air (OTA) Software Updates
- Secure Boot and Transmission

Certifications (Target) Environment

MIL STD-810G

SAE J1455

IP67, IP69K, IEC 60529

EN 60950-1:2006

RoHs, REACH, WEEE, CA prop 65

Radio & EMC Certification

PTCRB, CE, FCC, IC, UKCA, NOM

Quality

ISO 9001

BlackBerry Radar H2M Sensor Gateway

BlackBerry Radar H2M includes the BlackBerry Radar Sensor Gateway. The Sensor Gateway communicates to external wireless sensors, such as the BlackBerry Radar Cargo Sensor, and enables future integration to other sensors for enhanced visibility to asset status. The Sensor Gateway uses an advanced communication protocol that requires minimal energy consumption and optimizes communication between the sensor and the main device in transportation use cases.

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