BlackBerry Radar ®
Asset Monitoring Engineered for Intelligence

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FLEET SAFETY SOLUTIONS

BlackBerry Radar A2

Enhanced Visibility to Cargo When You Need It

The BlackBerry Radar® A2 is the first wireless sensor released by BlackBerry which communicates with its next generation asset monitoring solution, BlackBerry Radar H2. Designed for operations that need enhanced cargo visibility and control of their shipments, the BlackBerry Radar A2 includes a unique cargo sensing capability that reads cube space utilization, in addition to door open/close alerts and environmental sensors.

- Measure and understand how your trailers and containers are being loaded and utilized
- Optimize fleet operations by knowing when assets are loaded, unloaded and when the status changes
- Increase cargo capacity utilization with cube space utilization readings
- Protect the integrity of the cargo

Designed for a ruggedized construction, long battery life and the same provision of reliable data as all BlackBerry Radar products, the cargo sensor seamlessly communicates with BlackBerry Radar H2. Information and analytics are easily viewable in the BlackBerry Radar portal

EASY AND STEALTH INSTALLATION
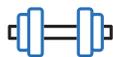
RUGGEDIZED AND LOW-MAINTENANCE

POWERFUL ANALYTICS

ENHANCED VISIBILITY

PREMIUM LONG LASTING-BATTERY

RELIABLE SENSOR COMMUNICATION

BlackBerry Radar A2

Enhanced Cargo Visibility into:
Containers
Trailers

Readings
- Cube Space Utilization
- Door Open/Close
- Temperature
- Humidity
- Pressure

Cargo Visibility with Stealth Installation

The BlackBerry Radar A2 can be installed during the initial implementation of BlackBerry Radar H2 or when the need is identified. The information collected supplements the BlackBerry Radar H2 sensor readings: GPS asset location, accurate mileage, trip reporting and start/stop alerts. The sensor communicates to BlackBerry Radar H2 using a sub-GHz frequency and custom protocol designed for reliability in transportation use cases.

::: BlackBerry ®

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Technical Specifications

Dimensions
167 mm x 94 mm x 42 mm
(6.57" x 3.7" x 1.65")

Sensors and Readings
Time of Flight Sensor:
Cube Space Utilization Readings

3-Axis Accelerometer and Gyroscope:
Door Open/Close

Environmental Sensor:
Temperature, Humidity, Pressure

Ambient Light Sensor

Battery
Built-In Long-Lasting Lithium Thionyl Chloride Battery:
• 68 Wh capacity (19 Ah @ 3.6V)
• Up to 5 years of battery life*

* Battery life estimates are based on testing during moderate asset usage. Data is collected and sent to BlackBerry Radar H2 when an event is triggered. If the device is unable to send the data when an event, the device will store the information until the next event.

Communication
SubGHz short range connectivity 915MHz (in NA) and 868MHz (in EC) with a BlackBerry proprietary protocol

Software, Updates and Security
BlackBerry Secure IoT Platform Client:
• Over-the-Air (OTA) Software Updates
• Secure Boot and Transmission

Environmental
• Operates between -40°C to 85°C (-40 to 185°F)
• Operational Altitude -500 to 15,000 feet

Certifications
MIL STD-810G:
Drop, shock, vibration, salt fog, high altitude, solar, UV

SAE J1455:
Water spray

IP67, IEC 60529:
Dust/water ingress

EN 60950-1:2006:
Impact

CE, FCC, IC

ISO 9001

RoHs

REACH

WEEE

CA prop 65

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