

Physical

Dimensions

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 Alerts
- Tamper Alerts
- Impact Detection
- › Configurable Duration and Amplitude with Shock Curve

Battery

Built-In Long-Lasting Lithium Thionyl Chloride Battery

273 Wh capacity (38 Ah @ 7.2V)

5+ years battery life*

Processor & Memory

32-bit CPU with low current drain

LPDDR + Flash

Enough memory for full data storage until transmission.

Communication

LTE CAT-M1 modem

5G/5G IOT Network Enabled

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 to compatible wireless sensors

915MHz, 869.85MHz and 2.4 GHz with a proprietary protocol

Reliable, long-range communication delivering superior performance in difficult environments.

Environmental

Operating Temperature Range:

-40°C to 85°C (-40°F to 185°F)

IECEX/ATEX/cETLus Ambient

Temperature Range: -40°C to 70°C (-40°F to 158°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

Certifications

Environment:

MIL STD-810G

SAE J1455

IP67, IP69K, IEC 60529

EN 60950-1:2006

RoHs, REACH, WEEE

Radio & EMC Certification:

PTCRB, GCF, CE, FCC, IC

Product Safety:

UKCA, NOM, CA prop 65

ATEX & IECx:

IEC 60079-0, IEC 60079-11

Ex ia IIC T4 Ga

Ex ia IIIC T135°C Da

Ex II 1GD

HazLoc

ANSI/UL 60079-0, 60079-11, UL 913,

ANSI/ISA-12.12.01-2000

Class I, Zone 0, AEx ia IIC T4 Ga

Class II, Zone 20, AEx ia IIIC T135°C Da

Class I, Division 1, Groups A, B, C, D;

T4 Class I, Division 2, Groups A, B, C,

D; T4 Class II, Division 1, Groups E, F,

G; T4 CAN/CSA C22.2 No. 60079-0,

CAN/CSA C22.2 No. 60079-11 Ex ia IIC

T4 Ga, Ex ia IIIC T135°C Da

Quality

ISO 9001

*Battery life estimates are based on real world modeling for typical railcar usage. Actual battery life may differ.

The PIVOT Gateway communicates with compatible external wireless sensors and enables expansion of features and services.