

AssetPack

Solar-powered, ruggedized global two-way asset tracking and sensor gateway for unpowered and powered assets.



The AssetPack™ is a durable, multi-functional device designed to provide low cost of ownership with long 10 year service life and easy installation and maintenance features.

The device is a self-contained, low profile, environmentally sealed asset gateway, powered by an energy-efficient, solar-rechargeable battery engineered to survive long low sun conditions and provide up to 10 years of data with zero maintenance.

The AssetPack can be mounted on almost any type of asset used in the world's harshest conditions. Because it is intrinsically safe, it can be used in hazardous locations (HAZLOC) to track hazardous material shipments (HAZMAT) or monitor hazardous operations.

The AssetPack features advanced memory-rich, on-board processing capabilities supporting highly configurable modes of operations, business logic, reporting rates, alert thresholds, on-board geofences and configurable IO interfaces for various sensor-based applications. Everything is configurable over the air.

The AssetPack leverages the 100% reliable global two-way coverage of the Iridium satellite network and/or next generation cellular technology, providing seamless uninterrupted connectivity and access to fixed and mobile assets anywhere.

The AssetPack delivers actionable information that helps businesses optimize operational efficiencies and reduce costs, making this device an ideal solution for tracking and managing of almost any unpowered asset such as trailers, containers and vessels.

The AssetPack can be remotely managed through the AssetLink Device-Manager user interface or via API so that actionable information can be visualized through any AssetLink Value Added Reseller or customer data system.

10 year service life with zero maintenance

Solar-rechargeable battery with power save modes

Easy installation in minutes

IP67 Rugged enclosure

Intrinsically Safe for HAZLOC and HAZMAT

True two-way, 100% global connectivity

On-board geofencing for immediate arrival and departure alerts

On-board memory for advanced sensor-based applications

Over-the-air and local programming

Configurable IOs—interface cable

Published API for VAR Integrations—device and data integrations

Built-in motion sensor

Built-in temperature sensor

Optional AES 256 Encryption



Form Factor

- Enclosure: 12.4" x 3.2" x 1.15" (31.50 x 8.1 x 2.9 cm)
- Weight: 18.9 oz (535 g)

GPS

- Location accuracy: <5m (50%) CEP
- Acquisition and tracking sensitivity: -161.5 dBm
- Cold start (open sky): 33s
- Hot start (open sky): <2s (typical)

Interfaces

- Harness connector: 8-pin circular
- Inputs/outputs: Analog or digital in/out (2)
- Serial: RS 485 (1), Modbus, CAN bus/J1939
- On/cff: Multi-function switch
- Sensor power capability: 7-8VDC or higher, depending on sensor

Communications

CLIN 0003: Hybrid Cellular/Satellite

- » 4G LTE Cat-4/3G (North America)
- » 3G HPSA/2G (Global baseline)
- » Lowest cost routing (Cellular/Satellite)
- » Iridium Short Burst Data
- » 1616-1626.5 MHz
- » Time Domain Duplex TDMA/FDMA

Power

- Battery: Solar rechargeable battery: 5300 mAh, 7.2VDC
- Cycles: 100% DOD >1000 cycles
- Shelf life (Charged): >3 years (inventory mode)
- Solar Panel: Mono-crystalline silicon 6V, 1W
- External Power: 10-18V, up to 500 mA

Environmental

- Temperature (operating): -40° C (-40° F) to +70° C (+158° F)
- Humidity: 100% at 50° C, salt, fog per MIL STD 810
- Shock/Vibration: MIL STD 810 and SAE J1455
- Water/Dust: IP67/NEMA6, waterproof full immersion at 1m depth

Certifications

- FCC CFR parts 15 and 25
- Industry Canada CAN ICES-3 (A) / NMB-3 (A) CE Mark
- ETSI EN 301 489-1 V1.9.2 & EN 300 440-2
- UL/CSA/EN/IEC 61010-1
- ANSI/ISA 12.12.01-2000 Class I, Division 2
- CAN/CSA C22.2 No. 213 Class I, Division 2
- ATEX Zone 2 Compliant (with ATEX cage)

Mounting Options

- Magnet mount
- VHB tape
- Flat plate mount with self-tapping screws
- Rugged cage
- ATEX protective cage

Accessories

- Engine run time harness
- Tamper alert trigger switch
- Temperature sensor
- Panic button
- Magnetic door sensor
- Container security cable
- Multi-functional interface cable
- Magnetic and door mount brackets
- Protective cage
- ATEX cage

CALL: 1.800.ORBCOMM EMAIL: SALES@ORBCOMM.COM VISIT: WWW.ORBCOMM.COM

ORBCOMM (Nasdaq: ORBC) is a global leader and innovator in the industrial Internet of Things, providing solutions that connect businesses to their assets to deliver increased visibility and operational efficiency. The company offers a broad set of asset monitoring and control solutions, including seamless satellite and cellular connectivity, unique hardware and powerful applications, all backed by end-to-end customer support, from installation to deployment to customer care. ORBCOMM has a diverse customer base including premier OEMs, solutions customers and channel partners spanning transportation, supply chain, warehousing and inventory, heavy equipment, maritime, natural resources, and government. For more information, visit www.orbcomm.com.