



The EVX1001 Asset tag used in conjunction with EVX1000 family network gateways provides a complete automated and self-configured IoT asset tracking and wireless sensing networks.

The EVX1001 Asset Tag is a long-battery life cost effective wireless tracking device that in conjunction with other tags and gateways in the EVX1000 family form a highly autonomous self-configured robust wireless tracking and sensing network for most demanding applications. The EVX1000 IoT networked-devices can operate fully untethered without any cables with global network coverage, while extend their battery life through their intelligent power management technology.

## Applications

- Vehicle yard and gate management
- Oil & Gas operations and spill-recovery
- Construction material and equipment tracking
- Industrial operations/site management
- Mobile asset tracking and management
- High-value asset storage and automated inventory

## Benefits

- Easy installation
- No infrastructure or cables
- 10,000's feet range in multi-hop mode
- Reliable and self-reconfiguring/ no maintenance
- Long Battery life
- Operational in harshest environments
- Truly global EVX network coverage

## Features

- Up to 1200 ft wireless range per hop
- Multi-hop tag-to-tag communication
- Battery powered with 3 years life
- Autonomous self-configuring and self-healing network
- Motion activated beacon rate & control
- Operational in -40°C to 80°C
- IP67 Water Immersible

Technical Specifications EVX1001 Asset Tag	
<b>Wireless</b>	
RF	2.4GHz , IEEE802.15.4, ISM band
Protocol	Ultra-low power optimized 6LoWPAN mesh
Range	Up 1200 ft to EVX gateway with internal compact antenna
Antenna	Internal, omni-directional, Performance not affected by mounting on metal surfaces
RF power / range	Software programmable through gateway
Beacon modes	Two modes: Stationary, In-Motion ; Different beacon rate for each mode
Beacon rate	Once every 2sec-12hrs , Software programmable through gateway
Motion Sensor	Thresholds and motion detection criteria software programmable through the gateway; Factory defaults cover most of the use cases
<b>Power</b>	
Battery	A' size 3.6 V primary lithium (Li-SOCl2), User replaceable
Battery life	3 years with 1 beacon per minute
Low Battery Indicator	Through gateway to application software
<b>Physical</b>	
Size	5.94" x 2.59" x 1.65"
Weight	6.5oz (180 grams)
Mount	Two mounting holes for tie-wrap or screw; Optional industrial-grade back adhesive
<b>Environment</b>	
Enclosure	IP67 dust tight
Temperature	-40°C to 80°C
Moisture	5 feet Water immersible for >1hr
Vibrations/shock	6 feet drop on concrete; 10g random vibrations 10Hz-2kHz; Mil810



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### About Evigia

Evigia Systems, Inc. designs and produces innovative ultra-low power sensors, integrated wireless systems, and sensor data analytics that bring the Internet of Things to real-world business impact for organizations around the globe. Ultra-low energy usage + advanced sensing is the core of our DNA. Evigia has a proven record in design, delivery, manufacturing and support of sensing and tracking systems deployed in the most demanding applications and harshest environments. We enable organizations to put the critical IoT insights obtained from remote sensors directly into the hands of the decision-makers who need them.