



The EVX1210 network gateway used along with EVX1000 family of asset and sensor tags provides a complete automated and self-configured IoT asset tracking and wireless sensing networks.

The EVX1210 Network Gateway is a rugged cost-effective cloud gateway for the EVX1000 family of sensor and asset tags where WiFi network connectivity is available. The EVX1210 and EVX1000 devices form a self-configured robust wireless tracking and sensing network for most demanding applications. The EVX1000 IoT networked-devices can operate fully untethered delivering superior battery life based on their intelligent power management technology.

Applications

- Vehicle yard and gate management
- Industrial operations/site management
- High-value asset storage and automated inventory
- Mobile asset tracking and management
- Security and infrastructure monitoring
- Construction material and equipment tracking

Benefits

- Easy installation
- 10,000's feet range in EVX1000 multi-hop mode
- Standard network connectivity to existing WiFi networks
- Reliable and self-reconfiguring/ no maintenance
- Operational in harshest environments
- Internal wireless antennas

Features

- 802.11 b/g/n WiFi network access
- EVX1000 wireless mesh networkable with up to 1200 ft wireless range per link
- Autonomous self-configuring and self-healing network
- 5-12V external DC power adapter or external battery
- Operational in -40°C to 80°C
- IP67 Water Immersible

Technical Specifications EVX1210 Network Gateway	
EVX1000 Wireless	
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 WiFi network
Beacon rate	Once every 2sec-12hrs , Software programmable through gateway
WiFi Network	
WiFi	2.4GHz , IEEE 802.11 b/g/n
Bit rate	Up to 72 Mbps
Security	Support for WEP, WPA and WPA2 encryption
Power	
External adapter	50-60 Hz, 100 -250 VAC to 5V DC, or standard USB power
Battery	External 5-12V
Physical	
Size	7.90" x 3.57" x 2.46"
Weight	16.5oz (468 grams)
Mount	Two mounting holes for tie-wrap or screw; Optional industrial-grade back adhesive
Environment	
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.