Project		Catalog #		Type	
Prepared by		Notes		Date	
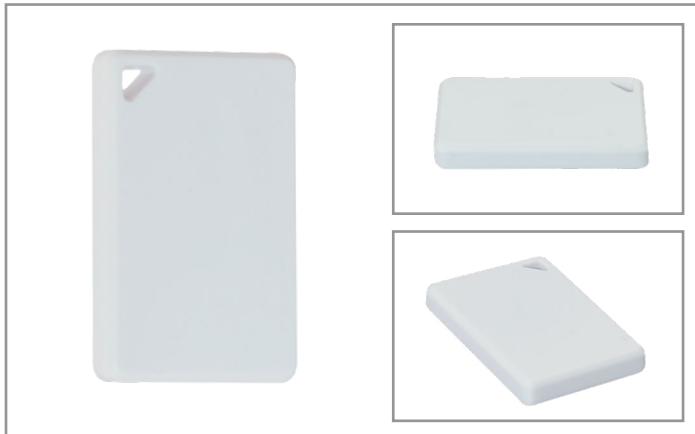
Trellix

Trellix Locate Asset Tag
TRX-TAG-AST1

Trellix Locate Asset Tag

Typical Applications
Office · Education · Healthcare · Hospitality · Retail

Interactive Menu

- Order Information page 2
- Connected Systems page 3
- Product Warranty

Product Certification

FC℠ CE
Part 15   EN300328 /
301489 / 60950
/ 62479

- Bluetooth QDID/EPL

Product Features

Trellix Locate   Connected Systems   Asset / Inventory Tracking

- Bluetooth 5.0
- Small form Factor
- Accelerometer
- Unique MAC address

Overview

Trellix Locate delivers real-time indoor location service and management, by leveraging the Trellix smart space IoT platform. Designed to allow you to monitor activities by sensing the location of your assets, staff and patients and use the data to improve business/production workflows, improve safety and security.

Top Product Features

- Ideal for asset tracking, activity monitoring and inventory tracking applications
- Configurable parameters using Tag config mobile app
- Low power consumption
- 3-Axis accelerometer
- Battery level monitoring

Order Information

Catalog Number

Catalog Number	Description
TRX-TAG-AST1	Trellix Locate Tag - Asset 1 year- E8

Required Accessories

All Trellix system accessories require Trellix Core on-premise hardware platform hosting Trellix Smart Spaces applications (TRX-TCENT2 or TRX-TCVRT2).
Ensure the bill of material includes one Trellix Core and one software license from the components below.

Catalog Number

Catalog Number	Description
TRX-TCENT2	Trellix Core Enterprise is an on-premise hardware platform hosting Trellix software applications (supports up to 300 WaveLInx Wireless Area Controllers)
TRX-TCVRT2	Trellix Core Virtual Enterprise is a virtual platform hosting Trellix software applications (supports up to 300 WaveLInx Wireless Area Controllers)
TRX-LOCSNR-1YR	Trellix Locate annual subscription
TRX-LOCBAS	Trellix Locate application

Product Specifications

Key Features
Real-time location for assets using Trellix Locate
- Indoor position tracking of assets (tools, portable equipment, vehicles, etc)
- Position based alerting, heat-maps etc.

Mechanical
Size: 1.3" x 0.91" x 0.13" (32mm x 23mm x 3.3mm)
Weight: 0.2 oz (6.2 g)
Environment:
- **Operating temperature:** -4°F to 140°F (-20°C to 60°C)
- **Storage temperature:** -4°F to 140°F (-20°C to 60°C)
- For indoor use and outdoor conditioned spaces

Mounting: 3M VHB adhesive sticker provided with unit
Color: White
Housing: ABS plastic housing

Electrical
Power Supply Type: CR2032 Battery
Power Activation: Remove plastic battery sheet from tag to activate device
Battery Life:

Beacon Rate	Expected Life
1 second	12 months
3 seconds	18 months
4 seconds	24 months
30 seconds	30 months

Hardware Specifications
Status Indicators:
- Status LED on front of unit

Software Specifications
Trellix Locate Tag Configuration App
Trellix Locate

Compatibility
Trellix Locate

Wireless Specifications
Radio: Bluetooth Low Energy
Standard: BLE 5.0
Transmitter Power: -40dBm to 4dBm
Range: up to 164ft (50m)
Programable Beacon Rate: 1-30 seconds

Standards/Ratings
- FCC Part 15/ECES-003
- CE (EN300328 / 301489 / 60950 / 62479)
- Bluetooth QDID/EPL
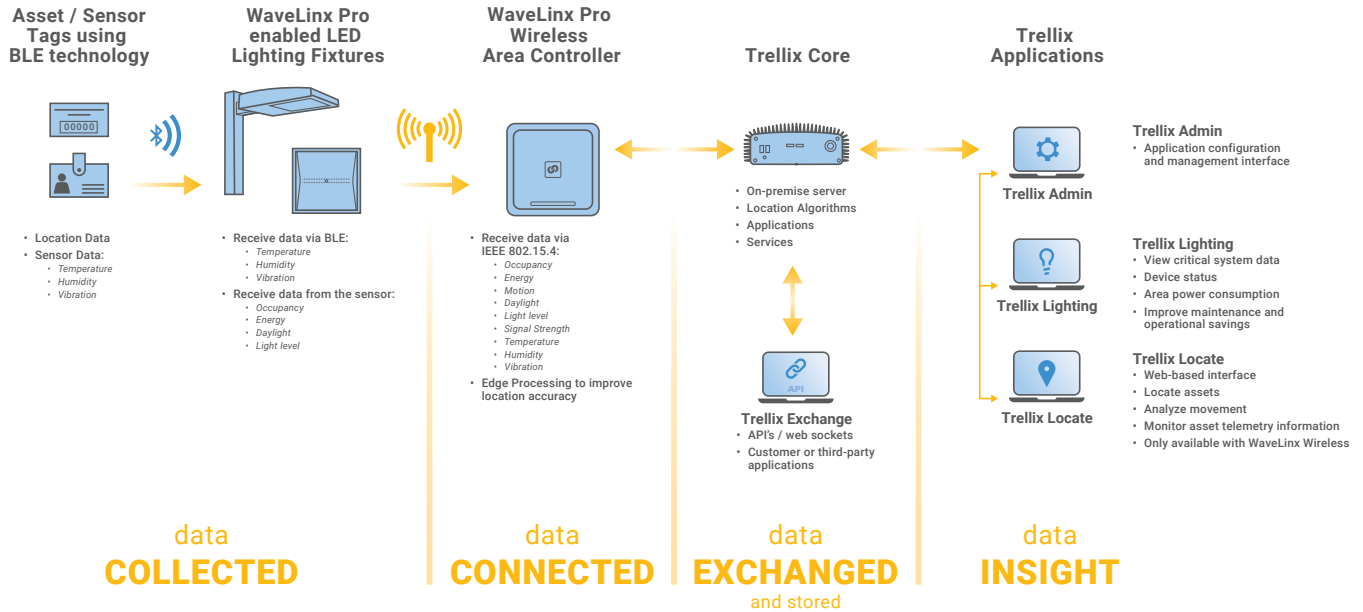
Warranty
One year warranty

Control Systems
- Trellix
- WaveLinx Pro wireless

Better Data. Better Decisions.

Trellix combined with our WaveLinx Pro wireless connected lighting system is a distributed network of LED lighting fixtures with integrated sensing and beacon technology that captures real-time data; making your facility smarter so you can make smarter decisions.

Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems in a commercial building to deliver actionable insights through the aggregation of valuable data.

Asset / Sensor Tags using BLE technology	WaveLinx Pro enabled LED Lighting Fixtures	WaveLinx Pro Wireless Area Controller	Trellix Core	Trellix Applications

Asset / Sensor Tags using BLE technology
- Location Data
- Sensor Data:
  - Temperature
  - Humidity
  - Vibration

WaveLinx Pro enabled LED Lighting Fixtures
- Receive data via BLE:
  - Temperature
  - Humidity
  - Vibration
- Receive data from the sensor:
  - Occupancy
  - Energy
  - Daylight
  - Light level

WaveLinx Pro Wireless Area Controller
- Receive data via IEEE 802.15.4:
  - Occupancy
  - Energy
  - Motion
  - Daylight
  - Light level
  - Signal Strength
  - Temperature
  - Humidity
  - Vibration
- Edge Processing to improve location accuracy

Trellix Core
- On-premise server
- Location Algorithms
- Applications
- Services

Trellix Exchange
- API's / web sockets
- Customer or third-party applications

Trellix Admin
- Application configuration and management interface

Trellix Lighting
- View critical system data
- Device status
- Area power consumption
- Improve maintenance and operational savings

Trellix Locate
- Web-based interface
- Locate assets
- Analyze movement
- Monitor asset telemetry information
- Only available with WaveLinx Wireless

data **COLLECTED**

data **CONNECTED**

data **EXCHANGED** and stored

data **INSIGHT**

Sample System Topology

This diagram shows the main components of the WaveLinx Pro wireless connected lighting (WCL) system. The WaveLinx Pro system communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each Wireless Area Controller (WAC) is required for power and data access to the building wireless network. The Trellix Core Enterprise and WaveLinx Pro Wireless Area Controllers communicate with each other over the Ethernet network. Please refer to the WaveLinx Pro Network and IT Guidance Technical Guide for more information.

> **View WaveLinx Pro Network and IT Guidance Technical Guide**

BACnet/IP Public (REST) API

Desktop/Laptop with web browser *(hardware provided by user)*

Trellix Core

Third Party system *(hardware provided by others)*

Building LAN

BACnet Router[1] *(hardware provided by others)*

PoE Power

WaveLinx Pro Touchscreen

WaveLinx Pro Wireless Area Controller

WaveLinx Pro Mobile App used for system setup and personal control

Area or Room *(49 + 1 construction area)*

Area or Room *(49 + 1 construction area)*

Area or Room *(49 + 1 construction area)*

347V and 20A Dimming Relay

Room Based Occupancy Sensor

Controlled Receptacle

Scene Wallstation

Integrated Ambient

Integrated Outdoor

WaveLinx Pro wireless controlled devices
(up to 200 devices per WAC2 - 150 devices best practice) - see Note

KEY
- Wi-Fi Signal
- IEEE 802.15.4

Note:
Performance based on second generation WaveLinx Pro Wireless Area Controller (WAC2)

Trellix Core Pro shown in this illustration. Trellix Core hardware can be either Pro, Enterprise or Virtual.

[1] BACnet Router only required if Trellix Core and third party BACnet client are on different subnets.