LMN
SOFTWARE CORP

ES-*Receiver*

THE ES-RECEIVER IS A HARDWARE PLATFORM FOR STORING EDGESENTRY ALERTS AND SITE DATA.

Any EdgeSentry sensor can stream to two receivers simultaneously, guaranteeing that all critical site data is stored in three separate locations. The Receiver can be monitored with LMN's ES-Monitor software, which provides real time monitoring, flexible calendars and schedules, and workflows for alarm response.

ES-Receiver
- Robust hardware platform running Windows IoT Enterprise.
- The receiver database is Microsoft SQL Express ®
- All site information is encrypted in motion and at rest.
- Two receivers can record a site's data, meaning that a "hot standby" receiver is always available
- The receiver data includes:
  - A record of every device that has communicated on each site's network
  - The date and time the device was first detected
  - A record of every connection between every device with the first/last times those connections occurred.
  - The ports and protocols used by each device for each connection
  - All the site connectivity and priority alerts
- Priority Alerts include:
  - Off Lan connections
  - Connections to dangerous public IP addresses (either listed or detected by region)
  - Use of unsafe protocols (customized lists per site)
  - Alerts on new or unknown devices
  - Spoofed MAC addresses
  - Network switch tamper or change of status alerts
  - EdgeSentry sensor tamper alerts
- Communications Alerts include:
  - UPS change of status
  - Devices becoming unresponsive
  - Devices changing from a normal pattern of behavior
  - Changes is (R)STP sources
- Each receiver can maintain data from up to 70 remote sites
- **ES-Receiver Configuration Tool** software is used to add, remove or maintain EdgeSentry sites on the receiver.
- **ES-*Monitor*** software allows for structured monitoring of EdgeSentry receivers

Technical Specifications:

- Quad-Core Intel Core-i3 10100 3.6GHz 6MB Cache
- 8 GB DDR RAM
- 250GB SSD Primary Storage
- 3 x Gigabit Ethernet LAN
- OS: Windows IoT Enterprise
- 19" Rack mountable, 2RU

Receiver Service and Maintenance Programs

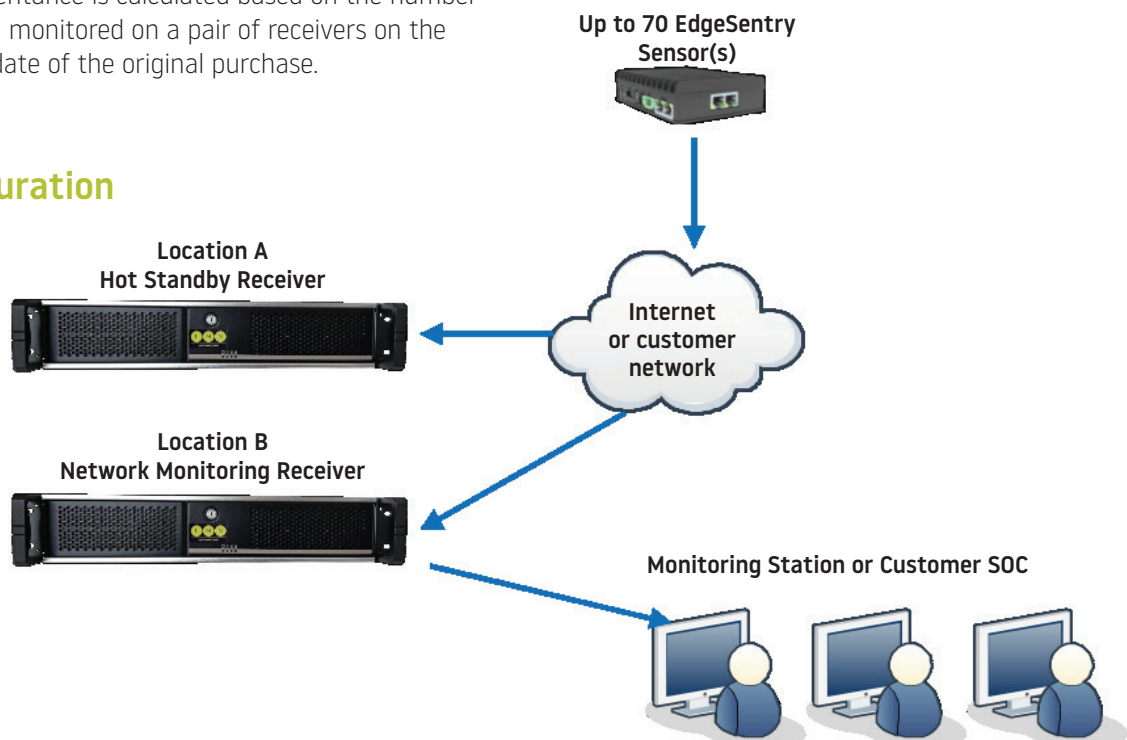**LMN Software Corp provides yearly service and maintenance agreements**

The program includes:

- Assistance rebuilding a receiver that has malfunctioned
- Covers (2) receivers in a client's system
- Tools for transferring data between receivers
- Optional receiver replacement
- Annual training for receiver admin and maintenance staff

Agreement Administration:

- The first year of Service and Maintenance is included with the receiver purchase.
- On the anniversary of the receiver purchase, the client runs a utility that collects information about the receiver and send it to LMN Software. LMN calculates the agreement costs and sends the invoice through the client's LMN supplier of choice.
- Annual mainentance is calculated based on the number of sites being monitored on a pair of receivers on the anniversary date of the original purchase.

Typical Configuration

Up to 70 EdgeSentry Sensor(s)

Location A
Hot Standby Receiver

Internet or customer network

Location B
Network Monitoring Receiver

Monitoring Station or Customer SOC