

point and zone

Search...

Density

2 Filters

Export

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## CONNECTORS

Lynxspring's E2E® is a comprehensive edge-to-Cloud operational technology (OT) data management solution. It securely connects to your building's operational systems and equipment. E2E provides you with data collection, aggregation, standardization, and enables you to visualize your data within an independent data layer (IDL). Providing you with a unified data repository and intuitive user interface, it also offers you robust device management capabilities.

E2E delivers a streamlined data integration experience, allowing your OT data to be utilized for applications including:

- Energy Optimization
- Digital Twins
- Predictive and Preventative Analytics
- Fault Detection and Diagnostics
- AI-Driven Solutions

With adaptive connectivity, E2E integrates effortlessly with nearly any system, device or equipment through a single broker. This ensures seamless transformation of your building's data in a standardized and unified format for faster integration. E2E offers unmatched openness and enhanced interoperability to deliver advanced data management capabilities.

E2E Connectors serve as a communication interface, and are available either as an embedded feature in JENesys Edge controllers or as a service on JENesys PC controllers. These connectors enable secure, efficient data exchange between edge devices and enterprise level systems, making them ideal for smart buildings, industrial automation, and enterprise data integration.

## KEY FEATURES

### EDGE-TO-ENTERPRISE COMMUNICATION:

Connects JENesys Edge and JENesys controllers to enterprise systems, databases, and Cloud platforms.

### SECURE DATA TRANSMISSION:

Implements encryption/advanced security protocols for safe data transfer from edge devices to enterprise systems.

### NIAGARA FRAMEWORK® INTEGRATION:

Leverages the Niagara Framework for scalable, robust, and interoperable solutions.

### PROTOCOL SUPPORT:

Supports industry-standard protocols (BACnet, Modbus, MQTT), and other IoT communication standards for wide compatibility.

### DATA MANAGEMENT:

Provides data buffering, transformation, and aggregation for optimized data flow and reduced latency.

## BENEFITS

**REDUCED LATENCY:** Enables real-time control/monitoring with local data processing before enterprise-level transmission.

**SCALABILITY:** Supports easy integration of additional devices and systems into existing building infrastructures.

**ENHANCED SECURITY:** Adheres to modern cybersecurity standards and requirements for reliable protection.

## APPLICATIONS

**BAS/IOT IMPLEMENTATIONS:** Controls your HVAC equipment and energy management systems and is ideal for industrial and commercial IoT solutions.

**ENERGY MANAGEMENT:** Monitors/optimizes energy consumption across facilities including your HVAC equipment and lighting.

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## CONNECT WITH CENTRALIZED CONTROL & DATA MANAGEMENT

IDL Supports Multiple Data Types  
Open API, Scalable & Interoperable  
Data Governance & SOC2 Compliance  
Remote Data Analytics & Storage Repository

*Everything You Need for a Smart, Data-Driven Facility Enterprise*

## AVAILABLE CONNECTOR TYPES



MQTT



Unified by  
**CONNEXXION®**  
BY LYNXSPRING



### JENESYS EDGE® CONNECTOR™

The JENESys Edge Connector is embedded directly in the operating system (OS) and written into the firmware of the JENESys Edge® portfolio of controllers (**models 634, 534, 434, 514, 414, and VAV**). The JENESys Edge Connector can connect to the Connexxion® Cloud in a one-to-one or multi-device connection in a building. Each device has its own individual profile enabling MQTT/TCP-based edge-to-Cloud connectivity.

**USE CASE APPLICATIONS:** Perfect as an equipment controller or a small building controller (i.e., convenience store)



MQTT



Unified by  
**CONNEXXION®**  
BY LYNXSPRING

### JENESYS® NIAGARA CONNECTOR™

The JENESys Niagara Connector is licensed as a Niagara Service for the JENESys PC-9000 and is exclusively available from Lynxpring. Compatible with supported Niagara software versions, it connects to the Connexxion Cloud in a one-to-one relationship.

**USE CASE APPLICATIONS:** Ideal solution in larger buildings such as commercial office spaces, industrial plants, or larger schools (i.e., highschool, college or university environments).



JENESYS  
**edge®**  
JENESYS®



MQTT



Unified by  
**CONNEXXION®**  
BY LYNXSPRING



### SITE CONNECTOR™

The Site Connector consolidates traffic of multiple Niagara instances in the same building allowing a single point of exit for multiple devices. Streamlining data flow/network management, a building with ten Edge devices, could all point to one Site Connector to route data to Connexxion.

**USE CASE APPLICATIONS:** Perfect for multiple instances of RTUs, AHUs, chillers, and boilers.

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**One Platform. Many Possibilities.**