



niagara ax

niagara<sup>4</sup>

**Note:** Add to a JENE-534, up to 8 additional Onyxx XM 34IO Extender Modules (at 34 points of IO each) for a maximum of 306 points.

## JENESys® Edge 534 (Niagara AX & Niagara 4 options)

### Delivering the Reliability of Niagara to the Edge

A first-of-its-kind, the JENESys® Edge 534 combines a fully programmable controller that leverages Niagara, provides 34 points of IO on-board, and web server duties into a single device. Taking Niagara to the edge with real-time control—the JENESys Edge 534 *utilizes ProBuilder/Workbench software, Niagara programming tools and Fox Protocol.*

### Reduce Engineering Time & Installation Costs

Purpose-built, LynxSpring's JENESys Edge 534 delivers edge connectivity, data access and control for small to mid-sized facilities, plant control, machine-to-machine and IoT applications that require smart edge technology.

JENESys Edge 534 licensing is well suited to take Niagara into smaller, mid-sized and price-sensitive applications.



**Note:** Add to a JENE-100, up to 8 additional Onyxx XM 34IO Extender Modules (at 34 points of IO each) for a maximum of 306 points.

## JENESys® Edge 100

### Connect & Access Data—Anytime, Anywhere

JENESys Edge 100 integrates facility equipment, systems and IoT devices. It enables facility managers and operators to use ProBuilder/Workbench to achieve operational efficiencies between multiple systems and devices, enabling equipment control and business applications. Powered by Niagara, JENESys Edge 100 uses Fox Protocol to facilitate communications between Niagara stations.

### Simple Site Application (SSA)

The JENESys Edge 100 with a SSA license applies a Niagara solution on the Onyxx platform that allows for more relevance to points than to devices. For example, a small retail site may have 2-3 rooftop units with communicating thermostats, 1-3 lighting relays, a smart meter and possibly some very small IO required. JENESys Edge 100 allows Niagara to become an economical choice—*delivering maximum performance at minimum cost.*



## Onyxx® XM 34IO Extender Module

### Lynxspring's Newest IoT Technology

Completely configurable, the Onyxx® XM 34IO is used to add additional IO's to the JENEsys® Edge™ 534, JENEsys® Edge 100 as well as Lynxspring's JENEsys® PC 3000, 6000, 8000 or any branded JACE®.

The Onyxx XM 34IO has 34 points and native Onyxx and extends the IO for any device that has an Onyxx network.

**Note:** Add to a JENE-534, up to 8 additional Onyxx XM 34IO Extender Modules (at 34 points of IO each) for a maximum of 306 points.



## Onyxx® XM 34IO-B Extender Module

Onyxx XM 34IO-B (BACnet) is a part of Lynxspring's Edge-to-Enterprise portfolio of hardware, software and tools designed for today's buildings, IoT environments, device-to-enterprise integrations and machine-to-machine applications.

The Onyxx XM 34IO-B has 34 points and enables an Onyxx Network and is a slave BACnet MS/TP device that can be integrated by a BACnet client controller.

Various combinations of the Onyxx XM 34IO-B can further extend the JENEsys Edge 100, the JENEsys PC 8000, any JACE 8000 to 272 IO and the JENEsys Edge 534 to 306 IO.







## Onyx<sup>®</sup> BACnet<sup>®</sup> to Haystack Data Pump

### Meaningful, Accurate and Real-Time Data

With an increasing variety of equipment, sensors, valves, meters, and devices, there has been a dramatic increase in the volume of data available. Data is delivered in various formats, syntaxes and naming conventions. The challenge today is how to best access, manage and extract the *data you need, when you need it.*

The Onyx<sup>®</sup> BACnet to Haystack Data Pump (BH311) provides the perfect solution for your network communication and data exchange needs. The Helix<sup>®</sup> Framework is embedded in the device and handles BACnet to Haystack protocol translation between BACnet points to manageable Haystack points. With the Helix Framework onboard, *no third-party software or programming experience is required to access and configure your Onyx Data Pump.*



## Onyx<sup>®</sup> Cellular Router

The Onyx CE121 Cellular Router is designed to support secure, remote access and the exchange of data for today's intelligent buildings. LynxSpring has conveniently packaged our easy-to-configure Cellular Router with our E2E Private Wireless Network and the E2E Easy Data Service Plan.

With the reliability, coverage, security and simplicity of our wireless data plan, the Onyx<sup>®</sup> Cellular Router is designed for simple set-up, installation, commissioning and includes a wireless modem interface allowing instant communication upon startup.

The Cellular Router allows you to remotely monitor and control equipment, meters, pumps and valves in any energy, utility, commercial or industrial applications. You may connect equipment at remote point-of-sale locations, temporary installations, or retail operations. You may also, access to building and energy assets via a secure VPN.

**COMING SOON WITH 4G!!**

## JENESys® PC 8000



The JENE-PC8000 is a compact, embedded IoT controller and server platform for connecting multiple devices/sub-systems. With Internet connectivity and Web-serving capability, the JENE-PC8000 controller provides integrated control, supervision, data logging, alarming, scheduling and network management. It streams data and rich graphical displays to a standard web browser via an Ethernet or wireless LAN, or remotely over the Internet.

The licensing model for the JENE-PC8000 controller is simple and features standard drivers along with optional I/O and field bus expansion modules for flexibility. This controller runs Niagara 4 for optimal performance.

Ethernet or WiFi

HTML5

Any Web Serving LynxSpring Controller  
(eg JENE PC-8000)



## 7" Android™ Touch Screen Display

LynxSpring's TSD 7 is a high definition touch screen color display with kiosk mode for local feedback and control for a wide range of HVAC, lighting, energy, commissioning, trouble shooting, servicing and IoT user experiences.

It is compatible with all JENESys controllers, Onyx devices and most web-serving controllers and IoT devices, regardless of manufacturer or protocol (including Niagara AX and N4).

Designed for optimal performance, the LynxSpring TSD 7 utilizes an advanced processor to integrate a powerful graphics engine that displays most any webpage, including advanced HTML5 visualization pages. It is ideal for managing operating parameters of systems, such as monitoring, obtaining values, equipment and system status and viewing alarms.





## Onyx® SkySpark® Edge Analytics

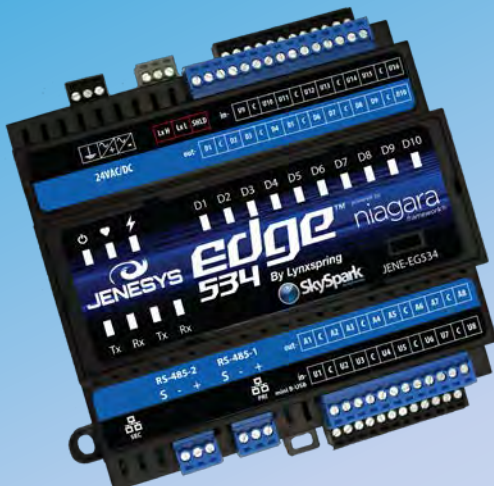
### Connect & Access Data—*Anytime, Everywhere*

LynxSpring's Onyx platform with SkyFoundry's SkySpark® Everywhere™, provides the capability to run SkySpark® analytics locally at the edge and send data to SkySpark in the Cloud.

**Onyx SkySpark® Edge Analytics** is a stand-alone, SkySpark® Everywhere™ embedded device. SkySpark® Analytics allows users to analyze important data at the edge and gather real-time intelligence. This device enables data from BACnet and Modbus to connect locally with SkyFoundry's SkySpark®, adding value at the device level.

### Additional Benefits and Value

- ✓ Cost effective at point counts from: 10 points to millions
- ✓ Programmable analytics that tailor rules to your use cases
- ✓ Visualization of data results without engineering custom graphics
- ✓ Deployment on premise—advantage over Cloud-only solutions
- ✓ Organize data automatically via equipment app to see trends
- ✓ Comprehensive built-in energy application
- ✓ General purpose historian



## JENEsys® Edge 534-Ax with SkySpark®

### Delivering the Reliability of Niagara & SkySpark® to the Edge

Niagara and SkyFoundry's SkySpark® Everywhere™ distributed information architecture enabling advanced analytics deployed at the edge and providing operators with a unified and seamless view of their systems and data.

**Note:** Add to a JENE-534, up to 8 additional Onyx XM 34IO Extender Modules (*at 34 points of IO each*) for a maximum of 306 points.

COMING SOON!!