

JENE-EG100



What is the JENEsys® Edge™?

JENEsys Edge is a new generation of controllers that combines the Niagara Framework® with LynxSpring's Onyx® platform, delivering Niagara to the edge. Devices are smarter and more powerful—enabling the efficient transmission of data and offering higher levels of functionality with enhanced, embedded systems software. The JENEsys Edge 100 is an open, multi-purpose system that combines a controller, gateway and web server duties into a single device. It delivers the power and reliability of Niagara with real-time control at the edge.

Who are typical users of the JENEsys Edge 100?

Traditionally, Building Automation Systems (BAS) and Niagara work very well with a network area controller, integration gateway or to an enterprise solution. The JENEsys Edge 100 utilizes the Fox protocol so that it can be integrated into other Niagara solutions as well. It is also perfect for retrofit or new construction projects, smaller retail spaces, small office buildings, hotels, schools, churches and health care clinics.

What business/use cases does the JENEsys Edge 100 resolve?

The JENEsys Edge 100 fills a significant gap in the building management systems market by empowering small and mid-sized facilities to achieve their operational, peak performance and budgetary goals. The JENEsys Edge 100 has the power and reliability of Niagara, ideal for new markets that extend outside the traditional BAS markets.

What are the features of the JENEsys Edge 100?

The JENEsys Edge 100 delivers Niagara, is compatible with many of its drivers and runs on Onyx® (*an extensible platform*). Standard drivers are: Niagara Network (Fox), BACnet, Modbus, Web and oBIX. In addition, the JENEsys Edge 100 utilizes the same Fox tunneling protocol which facilitates communications between Niagara stations and the ProBuilder/Workbench software. It supports JAVA Web Start for access without JAVA plug-ins. It allows application-specific apps to be added. The JENEsys Edge 100 also has a unit footprint smaller than a JACE®. UI is also available on the JENEsys Edge 100 so you can build internal graphics, to whichever edge you are delivering to.

What are the benefits of the JENEsys Edge 100?

Connectivity and data access—*anytime, anywhere*. The JENEsys Edge 100 is a powerful gateway between systems. The JENEsys Edge 100 reduces engineering time and installation costs by combining Niagara with a proven edge hardware platform. It delivers new edge connectivity, data access and control management between facilities, machine-to-machine applications and IoT environments. With the introduction of the JENEsys Edge 100, small to mid-sized facilities now have an economical Niagara solution to meet their needs.

What does SSA mean? SSA is *Simple Site Application*.

LynxSpring is offering two license options for purchase: The **JENEsys Edge 100-100U** (*100 point limit with unlimited devices*) and the **JENEsys Edge 100-300U** (*300 point limit with unlimited devices*). The premise for offering the JENEsys Edge 100 with a SSA license is to apply a Niagara solution to the Onyx 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. The SSA allows Niagara to become an economical choice that can manage this simple site.

JENEsys® Edge™ 100

FREQUENTLY ASKED QUESTIONS

How much does the JENEsys Edge 100 cost? And, are there quantity discounts available when I place larger orders?

The JENEsys Edge 100 is especially important to smaller markets where traditional Niagara may not be economically viable. Purpose-built the JENEsys Edge 100 delivers *maximum performance at minimum cost*. To inquire about quantity discounts, contact Lynxspring directly at: **(816) 347-3500**

JENE-EG100-100U: **\$1,904.17*** JENEsys Edge 100 controller (*100-point limit and unlimited devices*)

JENE-EG100-300U: **\$2,487.83*** JENEsys Edge 100 controller (*300-point limit and unlimited devices*)

** Lynxspring Business Partners, please apply your applicable individual multiplier to the list price above.*

What drivers are built-in or will work with the JENEsys Edge 100?

The JENEsys Edge 100 is a full-featured Niagara controller. Drivers included are: Modbus RTU/TCP, BACnet IP/BACnet MS/TP, oBIX, Fox and Web UI. In the future it will include some third-party drivers.

What current or upcoming technology solutions does Lynxspring offer that work well with the new JENEsys Edge 100?

- ✓ *I/O (inputs and outputs):* Lynxspring is developing an Onyx 34 I/O device which has the same specifications as our traditional I/O device that connected to the JACE and our JENE-3000 and JENE-6000. Upon its anticipated release in the September timeframe, it will be compatible with the JENEsys Edge 100.
- ✓ UI is available on the product so you can build internal graphics to whichever edge you are delivering to.
- ✓ A 2-point universal input board that can go right on the product itself will also be made available around the September timeframe.
- ✓ Our cellular router can also help you to connect to the JENEsys Edge 100 remotely through Lynxspring's E2E Private Network and E2E Easy Data Service Plan.

Will the JENEsys Edge 100 work with Niagara 4?

Yes, it will. The JENEsys Edge 100 can be integrated by an N4 device.

Can the JENEsys Edge 100 be used with a LynxLCD?

The JENEsys Edge 100 does not contain the RJ-11 plug required to directly plug in a LynxLCD. The protocols are all supported so an adaptor plug would be required to use the LynxLCD directly.

Is the JENEsys Edge 100 easy to install?

Yes. The JENEsys Edge 100 will fit in most areas and can be conveniently mounted horizontally or vertically. DIN rail mounting is also available. For further instructions, please see our **Installation Guide**.

Does the JENEsys Edge 100 support Web UI? Can I create PX (*or similar web pages*) on it directly?

Yes. The JENEsys Edge 100 also includes JAVA Web Start module.

Will all (*standard and proprietary*) Niagara drivers be available and can run on the JENEsys Edge 100?

Yes, everything is included.

What defines an unlimited limit for BACnet, Modbus, or another proprietary protocol?

Anything that is integrated. You may choose the **JENE-EG100-100U** license option with a 100 point limit and unlimited devices or the **JENE-EG100-300U** license option with a 300 point limit and unlimited devices.