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**NIAGARA
SUMMIT**

**CONNECTING
THE WORLD**



CONNECTING
THE WORLD

Niagara at the Edge: JENEsys Edge 534

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Lynxspring*

Niagara at the Edge

Lynxspring's JENESys Edge 534 (AX & N4) A Fully Programmable Niagara Controller:

- ✓ Onyxx® Development Platform with Portable Niagara
- ✓ Ideal for Small Buildings, Equipment, Plants and Enables other Systems or Devices
- ✓ Scalable – Smart Edge – IoT – Data
- ✓ Maximizes Performance and Minimizes Cost
- ✓ Easy and Rapid Deployment
- ✓ Recognized Best Tech Innovation Intelligent Buildings Award at iBCON 2017



Benefits of JENEsys Edge 534

niagara ax niagara⁴

First-of-its-Kind—Taking Niagara to the Edge with Real-Time Command and Control

- ✓ Same Niagara in JENEs and JACEs
- ✓ Standalone or as a Client and/or Slave Device
- ✓ Leverage Existing Investments:
 - Stations, Tools (*ProBuilder/Workbench Software*)
 - Niagara Training
- ✓ Reduce Engineering Time and Installation Costs
- ✓ Available in AX and N4 Versions



Features of JENEsys Edge 534

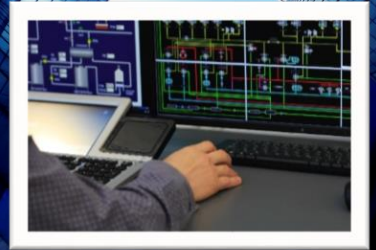
Deliver the Reliability of Niagara to the Edge

- ✓ Programmable with 34 Points of IO On-Board—Extendable to 306 Points
- ✓ Linux OS
- ✓ Fast & Increased Memory Capacity
- ✓ Introduces the Onyx Network
- ✓ Small Footprint (4.5" x 4.25" x 2.25")
- ✓ 35 mm DIN rail or flat panel mounting



Specifications

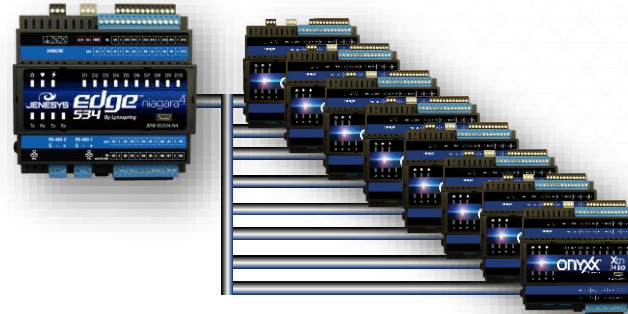
- ✓ 10/100 Mbps Ethernet (2), RS-485 (2), Mini-B USB (1), Micro USB (1)
- ✓ Standard RS-485 multi-drop communication bus using a 120 ohm resistor
- ✓ CANBus Onyx Network for IO point extension
- ✓ Niagara Driver Support — (*Niagara Network (Fox), BACnet, Modbus, Web & oBIX*)
- ✓ 4G eMMC flash memory
- ✓ 1GHz AM335x ARM Cortex A-8 Processor
- ✓ 10 Digital Outputs—Form A contacts, 24 V at 0.5 A
- ✓ 8 Analog Outputs—0-10 Vdc
 - Type-3 10 k ohm thermistors
 - Resistance 0-100 k ohms
 - 0-10 Vdc
 - 0-20 mA using a 499 ohm resistor
 - Pulse input; up to 500 Hz
- ✓ 24 Vac/dc power input, ideal for equipment control and monitoring applications



Add IO to Lynxspring's JENEsys Edge 534



- ✓ niagara ax and niagara⁴
- ✓ Same N4 Interface as JENE-PC 8000
- ✓ Connects up to 8 Additional Extender Modules (*Onyx XM 3410*), adding 34 points of IO each, for a maximum of 306 points.



Onyx[®]
Network

Lynxspring's Onyx XM 34IO



Specifications:

- ✓ Extends 34 Points (*Onyx-Capable Controller*)
- ✓ 34 Points of Inputs/Outputs
- ✓ 10 DO, 8 AO and 16 UI
- ✓ Onyx Network
- ✓ Wired 24VAC/DC
- ✓ DIN Rail and Subpanel
- ✓ Small Footprint (*4.5" x 4.25" x 2.25"*)

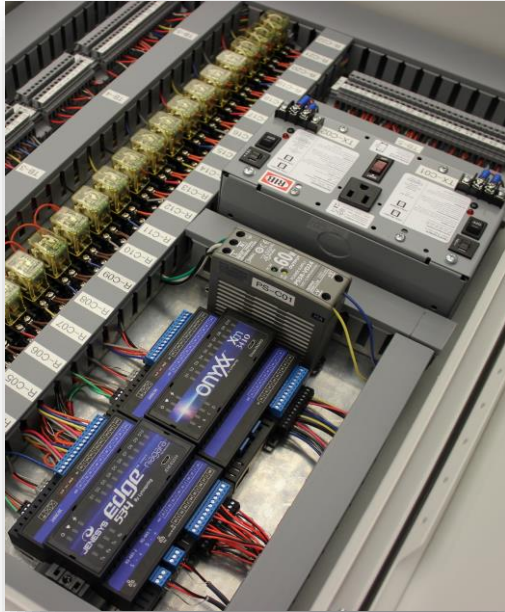
Roadmap



Support For:

- ✓ Niagara N4.4
- ✓ Cellular Modem 4G LTE
- ✓ WiFi
- ✓ BlueTooth LE
- ✓ 900 MHz Wireless Components
- ✓ Zigbee PRO

Use Cases



Bottom Line—

JENEsys Edge 534 licensing is well-suited to take Niagara into smaller buildings and equipment and applications found at the edge.

- Multi-Site Retail
- Boiler & Chiller Plants
- Banks
- Enable Smart or IOT
Access to Edge Systems

JENEsys Edge products are available to any certified Niagara integrator or contractor





Questions & Answers

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