



niagara4

JENEsys Edge 534 – N4 Specifications

- ✓ Powered by Niagara 4
- ✓ Open NiCS
- ✓ Standard Niagara 4 drivers—Niagara 4 Network (Fox), BACnet, Modbus, Web & oBIX
- ✓ 10 Digital Outputs
 - Form A contacts, 24 V at 0.5 A
- ✓ 8 Analog Outputs
 - 0-10 Vdc
- ✓ 16 Universal Inputs
 - 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
- ✓ 10/100 Mbps Ethernet (2), RS-485 (2), Mini-B USB (1), Micro USB (1)
- ✓ Standard RS-485 multi-drop communication bus
- ✓ 4B eMMC flash memory
- ✓ 1GHz AM335x ARM Cortex A-8 Processor
- ✓ Existing Niagara 4 stations can be added
- ✓ 24 Vac/dc power input, ideal for equipment control and monitoring applications
- ✓ Runs on Onyx®—an extensible platform
- ✓ Leverages global capacity licenses
- ✓ 35 mm DIN rail or flat panel mounting

Deliver the Reliability of Niagara 4 to the Edge

JENEsys® Edge™ products are a new generation of IoT controllers combining the Niagara Framework® with Lynxspring's Onyx® platform. A first-of-its-kind, the JENEsys Edge 534 – N4 is a fully programmable Niagara 4 controller with 34 IO built in and expandable IO available, delivering edge connectivity, interoperability, data access and analytics for today's buildings, energy management, machine-to-machine applications and IoT environments. Taking Niagara 4 to the edge with real-time control—the JENEsys Edge 534 – N4 *utilizes the same Niagara ProBuilder/Niagara Workbench software, Niagara 4 programming tools and Fox Protocol*. JENEsys Edge products are available to any certified Niagara integrator or contractor.

Connect & Access Data—Anytime, Anywhere

Purpose-built, Lynxspring's JENEsys Edge 534 – N4 delivers edge connectivity, data access and control for today's small to mid-sized facilities, plant control, machine-to-machine and IoT applications that require smart edge technology.

Reduce Engineering Time & Installation Costs

The JENEsys Edge 534 – N4 combines Niagara 4 and Onyx, a proven IoT edge hardware platform, enabling facility managers, operators, system integrators and contractors to use a known user interface (*ProBuilder/Workbench*) to achieve operational efficiencies between multiple systems and/or devices, facility management functions, equipment control and business applications. The bottom line is that the JENEsys Edge 534 – N4 licensing is *well-suited to take Niagara 4 into smaller or mid-sized and price-sensitive applications*.

Features

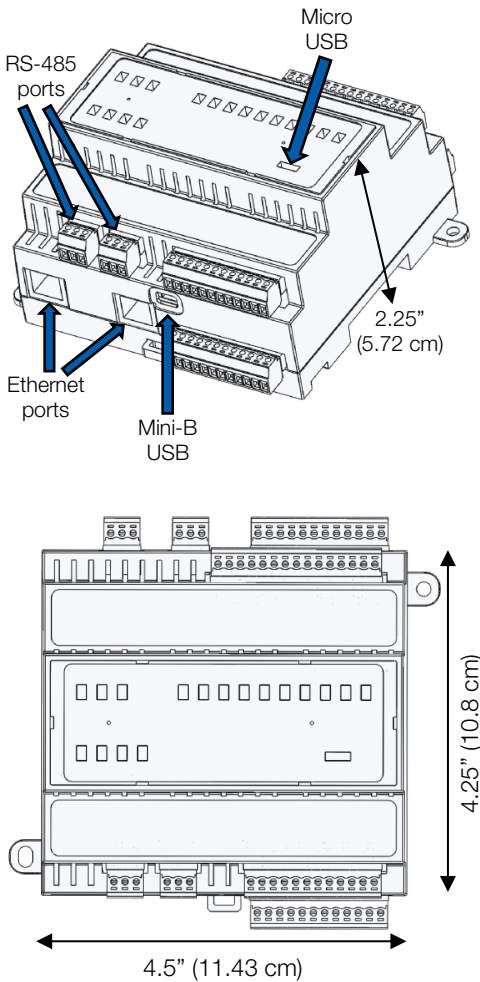
- ✓ JENEsys = fully programmable Niagara 4 controller
 - Fox Protocol
 - Same Programming Tools—ProBuilder/Workbench
- ✓ 34 points of IO on-board and enables an Onyx Network
- ✓ Add to a JENE-EG534-N4, up to 8 Onyx XM 34IO extender modules (*at 34 points of IO each*) for a maximum of 306 points
- ✓ Fast & increased memory capacity
- ✓ Small unit footprint (*4.5" x 4.25" x 2.25"*)
- ✓ Real-time Linux OS

JENEsys[®] Edge[™] 534 – N4

PRODUCT DATA SHEET

Made in USA

Dimensions



Specifications

PLATFORM

Operating System	Helixx [®] Framework by Lynxpring [®] and Niagara 4.2/4.4.73
Processor	1 GHz AM335x ARM Cortex A8
Memory	512 MB DDR3L 800 MHz, 4 GB 8-bit Embedded MMC on-board Flash
Real-Time Clock (RTC)	Battery-powered clock included to store description/setup values including: year, month, date, hours, minutes and seconds

COMMUNICATION PORTS

2 Ethernet Ports	10/100 Mbps (RJ-45 Connector)
2 RS-485 Ports	RS-485 serial port with 3-screw connector
Mini-B USB	USB Client Connector utilizes 5-pin Mini-B USB cable
Micro USB	Serial shell access
Onyx Network	3-wire (LxH LxL SHLD) high-speed differential serial signal

INPUTS AND OUTPUTS

16 Universal Inputs	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; 12 bit A/D resolution
10 Digital Outputs	Form A contacts, 24 V at 0.5 A
8 Analog Outputs	0-10 Vdc
Connector Screw Size	3/32" slotted
Supported Wire Size	28-16 AWG
Housing	UL94V-0

POWER

Power Input	External 24 Vac +0%/-10%, dc +10%/-10%, minimum 18 VA/device
-------------	--

CHASSIS

Construction	Base: Plastic, DIN rail or screw mount	Cover: Plastic
Cooling	Internal air convection	
Dimensions	4.5" (11.43 cm) width x 4.25" (10.8 cm) length x 2.25" (5.72 cm) depth	
Mounting	Flat panel and 35 mm DIN rail mounting options standard	

ENVIRONMENT

Operating Temperature	0 – 60 °C (32 –140 °F)
Storage Temperature	0 – 70 °C (32 –158 °F)
Relative Humidity Range	5 – 95% RH, non-condensing

CERTIFICATIONS

Compliance	 Approved: FCC 47CFR Parts 15B and 18, EN 55022, EN 55011, ICES-003, RoHS, UL 916, CSA C22.2 No. 205-17, EN 61010-1: 2010, IEC 61010-1, 3rd edition
------------	--

WEIGHT

JENE-EG534-N4	0.9 pounds	Product and Packaging	1.6 pounds
---------------	------------	-----------------------	------------

Ordering Information

PART NUMBER(S)	DESCRIPTION
JENE-EG534-100U-N4	Packaging will include one (1) JENEsys Edge 534 – N4 Controller (LICENSE WITH MAXIMUM OF 100 POINTS, UNLIMITED DEVICES)
JENE-EG534-300U-N4	Packaging will include one (1) JENEsys Edge 534 – N4 Controller (LICENSE WITH MAXIMUM OF 300 POINTS, UNLIMITED DEVICES)
JENE-EG534-1250-N4	Packaging will include one (1) JENEsys Edge 534 – N4 Controller (LICENSE WITH MAXIMUM OF 1,250 POINTS, 25 DEVICES)
JENE-EG534-5000-N4	Packaging will include one (1) JENEsys Edge 534 – N4 Controller (LICENSE WITH MAXIMUM OF 5,000 POINTS, 100 DEVICES)
HDR-30-24	Power Supply for one 534 and one XM
HDR-60-24	Power Supply for one 534 and three XMs
HDR-100-24	Power Supply for one 534 and eight XMs

© 2019 by Lynxpring, Inc. All rights reserved. The information and/or specifications published here are current as of the date of publication of this document. Lynxpring, Inc. reserves the right to change or modify specifications without prior notice. The latest product specifications can be found by contacting our corporate headquarters in Lee's Summit, Missouri. Products or features contained herein are covered by one or more United States or foreign patents. Other brand and product names are trademarks or registered trademarks of their respective holders. This document may be copied by parties who are authorized to distribute Lynxpring products in connection with distribution of those products, subject to the contracts that authorize such distribution. It may not otherwise, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form without prior written consent from Lynxpring, Inc. Complete Confidentiality, Trademark, Copyright and Patent notifications can be found at: lynxpring.com/company/legal.

Lynxpring[®], JENEsys[®], Onyx[®] and Helixx[®] are registered trademarks of Lynxpring, Inc. JENEsys Edge[™] is a trademark of Lynxpring, Inc. Niagara Framework[®] is a registered trademark of Tridium, Inc.

1210 NE Windsor Drive
Lee's Summit, MO 64086
sales@lynxpring.com
1 (877) 649-5969


www.lynxpring.com

© 2019 Lynxpring, Inc.
All Rights Reserved
Revised 8/14/2019
JENE-EG534-N4-DS-V1.4