



JENEsys Edge 534 with Monnit 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 (1), Mini-B USB (1), Micro USB (1)
- ✓ Standard RS-485 multi-drop communication bus
- ✓ Onboard Monnit gateway for connection to up to 100 Monnit ALTA wireless sensors
- ✓ 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 Onyxx®—an extensible platform
- ✓ Leverages global capacity licenses
- ✓ 35 mm DIN rail or flat panel mounting

NOTE: The Monnit radio is **ONLY** certified for use in the Americas.

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 Onyxx® platform. A first-of-its-kind, the JENEsys Edge 534 with Monnit 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 with Monnit *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 with Monnit 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 with Monnit combines Niagara 4 and Onyxx, 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 with Monnit 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, enables an Onyxx Network, and connects to up to 100 Monnit ALTA wireless sensors
- ✓ Add to a JENE-EG534-WL-M, up to 8 Onyxx 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

Monnit Sensor Information

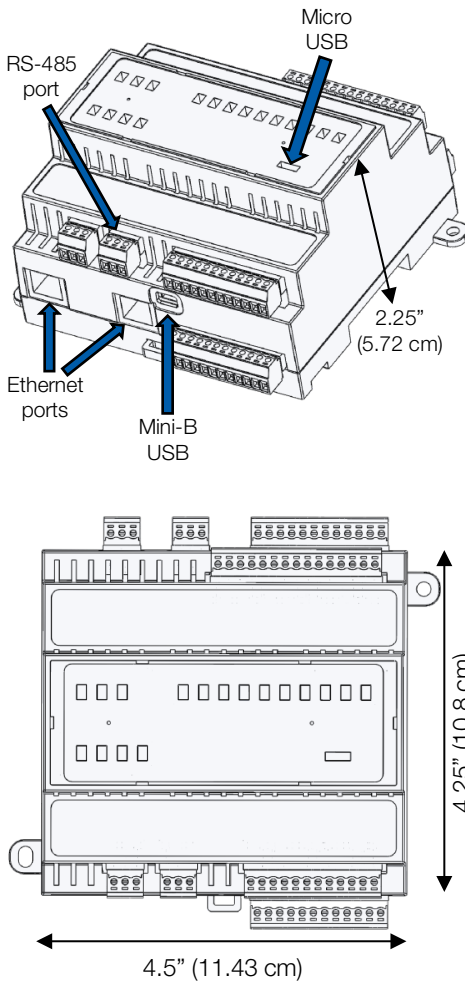
For more information on the Monnit ALTA sensors, please refer to the additional documentation on our website.

JENEsys[®] Edge[™] 534 with Monnit[®]

Made in USA

PRODUCT DATA SHEET

Dimensions



JENEsys
EDGE[™]
534 By Lynxpring

MONNIT

Specifications

PLATFORM

Operating System	Helix [®] Framework by Lynxpring [®] and Niagara 4.4/4.6
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)
RS-485 Port	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
Antenna	Reverse-polarity SMA antenna connector

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/dc +10%/-10%, 50/60 Hz, minimum 18 VA/device
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CHASSIS

Construction	Base: Plastic, DIN rail or screw mount	Cover: Plastic
Cooling	Internal air convection	
Dimensions (without antenna)	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 47 CFR Parts 15C 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; Monnit radio FCC ID: ZTL-G2SC1
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WEIGHT

JENE-EG534-WL-M	0.9 pounds	Product and Packaging	1.6 pounds
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Ordering Information

PART NUMBER(S)	DESCRIPTION
JENE-EG534-WL-M-100	Packaging will include one (1) JENEsys Edge 534 with Monnit Controller (LICENSE WITH MAXIMUM OF 100 POINTS, 5 DEVICES)
JENE-EG534-WL-M-250	Packaging will include one (1) JENEsys Edge 534 with Monnit Controller (LICENSE WITH MAXIMUM OF 250 POINTS, 5 DEVICES)
JENE-EG534-WL-M-300	Packaging will include one (1) JENEsys Edge 534 with Monnit Controller (LICENSE WITH MAXIMUM OF 300 POINTS, 5 DEVICES)
HDR-30-24	Power Supply for one JENEsys Edge 534 and one Onyx XM 34IO
HDR-60-24	Power Supply for one JENEsys Edge 534 and three Onyx XM 34IOs
HDR-100-24	Power Supply for one JENEsys Edge 534 and eight Onyx XM 34IOs

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