Made in USA

JENESYS edge® 534
BY LYNXSPRING

MONNIT
niagara4

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
  - ➢ 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
- ✓ 4GB 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

868 MHz or 433 MHz Operating Frequency
JENE-EG534-WL-M8 or JENE-EG534-WL-M4

Deliver the Reliability of Niagara 4 to the Edge

JENEsys Edge® products are a new generation of IP 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, and machine-to-machine applications. 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, and machine-to-machine applications that require smart edge technology.

Reduce Engineering Time & Installation Costs

The JENEsys Edge 534 with Monnit combines Niagara 4 and Onyxx, a proven IP 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")*
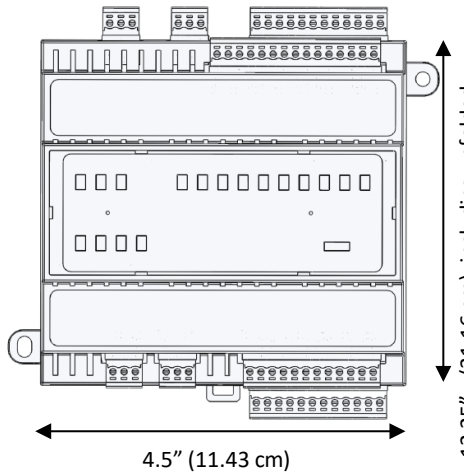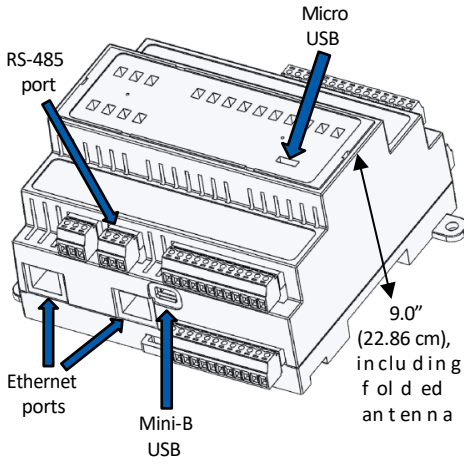- ✓ Real-time Linux OS

Monnit Sensor Information

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

2900 NE Independence Ave
Lee's Summit, MO 64064
sales@lynxspring.com

1 (877) 649-5969

LYNXSPRING®
www.lynxspring.com

Dimensions

RS-485 port

Micro USB

Ethernet ports

Mini-B USB

9.0" (22.86 cm), including folded antenna

4.5" (11.43 cm)

12.25" (31.16 cm), including unfolded

JENESYS
Edge® 534 BY LYNXSPRING

MONNIT.

✓RoHS   CE   Pb Lead-free   ⌧

MET NRTL LISTED

Specifications

PLATFORM

Operating System	Niagara 4 – Supports Latest Release www.resources.lynxspring.com
Processor	1 GHz AM335x ARM Cortex A8
Memor	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
Onyxx 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

CHASSIS

Construction	Base: Plastic, DIN rail or screw mount Cover: Plastic
Cooling	Internal air convection
Dimensions	4.5" (11.43 cm) width x 12.25" (31.16 cm) length, including unfolded antenna x 9.0" (22.86 cm) depth, including folded antenna
Mounting	Flat panel and 35 mm DIN rail mounting options standard

ENVIRONMENT

Operating Temperature	0 – 60 °C (32 –140 °F)
Storage	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

WEIGHT

JENE-EG534-WL-MX	0.9 pounds	Product and Packaging	1.6 pounds

Ordering Information

PART NUMBER(S)	DESCRIPTION
JENE-EG534-WL-M4-100 JENE-EG534-WL-M4-250 JENE-EG534-WL-M4-300 JENE-EG534-WL-M4-1250	**Packaging will include one (1) JENEsys Edge 534 with Monnit Controller ALTA 433 MHz** (LICENSES WITH MAXIMUM OF 100 POINTS, 5 DEVICES; 250 POINTS, 5 DEVICES; 300 POINTS, 6 DEVICES; AND 1,250 POINTS, 25 DEVICES RESPECTIVELY)
JENE-EG534-WL-M8-100 JENE-EG534-WL-M8-250 JENE-EG534-WL-M8-300	**Packaging will include one (1) JENEsys Edge 534 with Monnit Controller ALTA 868 MHz** (LICENSES WITH MAXIMUM OF 100 POINTS, 5 DEVICES; 250 POINTS, 5 DEVICES;