



Neolink is a compact, embedded IoT (Internet of Things) controller and server platform for connecting multiple and diverse devices and sub-systems. With internet connectivity and webserving capability, the Neolink controller provides integrated control, supervision, data logging, alarming, scheduling and network management. It streams data and rich graphical displays to a standard web browser via an Ethernet or wireless LAN, or remotely over the internet.

The licensing model for Neolink is simplified and features standard drivers, along with optional IO and field bus expansion modules for ultimate flexibility and expandability. Neolink operates with Niagara 4, the latest version of the Niagara Framework®, for optimum performance. In larger facilities, multi-building applications and large-scale control system integrations, Niagara 4 Supervisors can be used with Neolink to aggregate information, including alarms, and historical and real-time data, to create a single, unified application.

## KEY FEATURES

### Global Capacity Licensing And Upgrade Capability

- Determine the number of devices that will be integrated and select the right capacity license from the start. License upgrades can be purchased in the future as your needs grow.

### Modular Hardware Design For Fast And Easy Installation

- Controller and option modules are designed for easy mounting on a 35mm-wide DIN rail.

### Expandable With Up To Four Option Modules

- Option modules directly attach to the controller for additional communications ports

### 24V AC/DC — Standard Global Power Supply

### Intuitive User Interface

- Users can easily check system status by glancing at the front panel LEDs to diagnose network issues.

### Connectivity Profiles

- Native Wi-Fi capability (WAP or Client)
- A, B, G or N networks
- Two 10/100Mb Ethernet ports
- Two isolated RS485 ports
- Optional LON FTT10 expansion

## HARDWARE SPECIFICATIONS

NXP iMX8M+ Quad Core CPU

2GB LPDDR4 RAM

8GB onboard EMMC storage

Wi-Fi (Client or WAP)

- Wi-Fi 5 (802.11ac)
- 1x1 802.11 a/b/g/n/ac
- Configurable radio (Off, WAP, or Client)
- WPA2PSK/WPA3PSK supported
- Only available for wireless model

USB type C connector

- Debug port

(2) isolated RS-485 with selectable bias and termination

(2) 10/100/1000MB Ethernet ports

Secure boot

\*Supply requirements: 24VAC rated at 24VA minimum, or 24VDC rated at 1A (24W) minimum

Runs Niagara 4: 4.13 and later

Real-time clock

Batteryless

Provides online/offline use of the Niagara Framework® Workbench graphical configuration tool and a comprehensive Java Object Library

Optional direct Ethernet-based driver support for most Open IP field bus protocols (see supported drivers document)

\*\*Niagara Enterprise Security requires four hours of standby power

## SOFTWARE & SOFTWARE MAINTENANCE

Every JACE 9000 is available with a Niagara 4.13 or higher software license and Tridium's standard drivers. Purchase of a software maintenance agreement (SMA) is required with initial JACE licensing. The initial SMA is for 18 months, with extended agreements of 3 years and 5 years available for discounted rates.

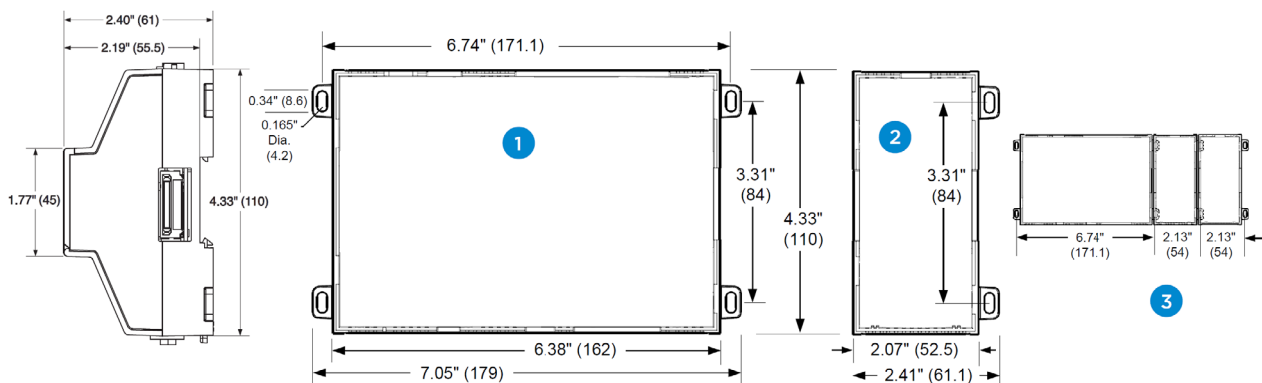
Note: If a Software Maintenance Agreement is not in effect for any period, the price of maintenance for the next period for which it is purchased will be priced at a cost equal to the maintenance fee for the period(s) for which maintenance was not purchased, up to a maximum of 5 years, plus the maintenance fee for the next year.

## NIAGARA ANALYTICS

25 Niagara Analytic points are included with every NeoLink license. Niagara Analytics licenses are conveniently and cost-effectively based on the number of analytical points and do not expire. Your Software Maintenance Agreement covers all Niagara Analytics enhancements, adding to the value of the SMA.

## NEOLINK CONTROLLER MOUNTING & DIMENSIONS

1. NeoLink controller - Allow at least 1.5" (38mm) clearance around all sides and minimum 3" (76mm) at bottom for Wi-Fi antenna
2. Expansion module - Up to four (4) may be used. See "Expansion Module and IO Configurations"
3. Distances between centre of tabs from one unit to another unit



Compatible with (DIN43880) enclosures

Suitable for mounting to a panel or to an EN50022 standard 35mm rail

Vizio stencils available upon request

## AGENCY CERTIFICATIONS

- UL 916
- CE EN 61326-1
- RCM
- FCC Part 15 Subpart B, Class B
- FCC Part 15 Subpart C
- C-UL listed to Canadian Standards Association (CSA) C22.2 No. 205-M1983 "Signal Equipment"
- 1999/5/EC R&TTE Directive
- CCC
- SRRC
- RSS
- RoHS

## ENVIRONMENTAL SPECIFICATIONS

- Operating temperature: -20–60°C
- Storage temperature: -40–85°C
- Humidity: 5%–95% — Non-condensing
- Shipping & vibration: ASTM D4169, Assurance Level II
- MTTF: 10 years+