

TRIDIUM

meet  
niagara  
at the  
edge

*Introducing Niagara Edge 10*

niagara  
edge

# introducing niagara

## edge 10

### SPECIFICATIONS

- Powered by the Niagara Framework®
- 5 universal inputs
- 3 digital outputs
- 2 analog outputs
- 1 485 serial port
- 2 ethernet ports that support daisy-chain topology
- Expandable via one IO-R-34
- Deterministic runtime engine\*
- Powered via 24VAC/DC source

### APPLICATIONS

- Fan coil unit
- Single-stage air handling unit
- Water source heat pump
- Zone control
- Boiler with hot water reset
- And much more...

\*Deterministic runtime engine will not be available in the 1st release



# enabling a single-tool infrastructure from edge to cloud

Tridium is excited to introduce Niagara Edge 10 — our first IP-based IO controller that harnesses the full power of the Niagara Framework® at the edge.

By running Niagara at the edge, systems integrators can reduce training costs, learning curves and proprietary tools with an industry-standard framework. In addition, they can take advantage of new and improved workflows that will save on installation time and maintenance costs.

Building owners can take advantage of high-value apps from the Niagara Community and connect directly to apps hosted in the cloud. Built-in analytics create smarter, more efficient buildings, and improve decision-making. Additionally, Niagara's world-class security features protect all levels of the building infrastructure — giving owners greater peace of mind.

## **A flexible solution for the Niagara Community**

Our goal with Niagara Edge 10 is to bring the power of the Niagara Framework to the edge and make it easier to connect and control systems and optimize performance within the IoT. That's why we are evolving our software to include tools to assist in the configuration and management of edge devices. These tools are open and available for everyone running Niagara, regardless of hardware platform.

# running niagara at the edge benefits everyone



## **SYSTEMS INTEGRATORS**

- Reduce installation time
- Reduce maintenance costs
- Reduce training and learning curve
- Reduce errors



## **BUILDING OWNERS**

- Reduce maintenance costs
- Increase ROI through high-value apps and cloud services
- Increase peace of mind with Niagara's network security features at the edge level



## **NIAGARA COMMUNITY MEMBERS**

- Create and monetize high-value applications
- Take advantage of Niagara on their own hardware platform through portability

# niagara edge device management made easy

## 1. Quickly build your network

Based on the volume of edge devices at a site, adding devices to your Supervisor may be a challenge. Join edge devices to your network more quickly with tools that ease the process of adding and managing a field of edge devices, which reduces overall installation and configuration time.

## 2. Easily manage and deploy updates

Edge devices typically have a single purpose, with multiple devices serving the same function. Use Niagara to create application templates and deploy to multiple devices with specific properties unique to each device.

## 3. Keep your network secure

Security is always critical, but implementing it across numerous devices on a network can be tedious. Tridium has built tools that assist systems integrators in provisioning and managing security settings across devices.

*Unlock Niagara's powerful features — from wiresheets to analytics to cybersecurity and beyond — at the edge*



# For more than 15 years, Tridium has led the world in business application frameworks — advancing truly open environments that harness the power of the Internet of Things.

Our innovations have fundamentally changed the way devices and systems connect to people — and the ways people can control and optimize those machines.

Our products allow diverse monitoring, control and automation systems to communicate and collaborate like never before. From buildings and data centers to manufacturing systems and smart cities, Tridium is changing the rules for automation technology.

We are committed to creating smarter, safer and more efficient enterprises and communities — bringing intelligence and connectivity to the network edge and back.

***Take Niagara where it's never been before***

To learn how to purchase, install or add Niagara Edge 10 to your product portfolio, contact Tridium.



[tridium.com](http://tridium.com)

## Locations and customer support, worldwide

### Headquarters

*North America*  
1 804 747 4771

### Support

*North America  
& Latin America*  
1 877 305 1745

*Europe, Middle East  
& Africa*  
44 1403 740290

*Asia Pacific*  
8610 5669 7148

© 2018 Tridium Inc. All rights reserved. All other trademarks and registered trademarks are properties of their respective owners.

Information and/or specifications published here are current as of the date of publication of this document. Tridium, Inc. reserves the right to change or modify specifications without prior notice. The latest product specifications can be found by contacting our corporate headquarters, Richmond, Virginia. Products or features contained herein may be covered by one or more U.S. or foreign patents. This document may be copied only as expressly authorized by Tridium in writing. It may not otherwise, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form.