

niagara analytics framework

PRODUCT DEFINITION

Tridium's Niagara Analytics Framework is a data analytics extension to the Niagara Framework® included on Niagara AX Supervisors and select JACE® controllers. It gives Niagara users the ability to apply a variety of analytic formulas and diagnostics to both historic and real-time data available in Niagara. Users gain insight that helps them better manage their buildings and operations. The Niagara Analytics Framework is available on the Niagara AX Supervisor and JACE 600 series, and is compatible with Niagara AX 3.7 and 3.8.

JACE 600 SERIES ORDERING INFORMATION

Part number	Description
EC-AX-NA-50	50 Niagara Analytics variables for an Embedded Controller (1y SMA req)
SMA-EC-NA50-1YR	1yr SMA for 50 Niagara Analytics variables for an Embedded Controller*
EC-AX-NA-100	100 Niagara Analytics variables for an Embedded Controller (1y SMA req)
SMA-EC-NA100-1YR	1yr SMA for 100 Niagara Analytics variables for an Embedded Controller*

NIAGARA AX SUPERVISOR ORDERING INFORMATION

Part number	Description
S-AX-NA-50	50 Niagara Analytics variables for Niagara AX Supervisors (1y SMA req)
S-MAINT-NA50	1yr SMA for 50 Niagara Analytics variables for Niagara AX Supervisors*
S-AX-NA-500	500 Niagara Analytics variables for Niagara AX Supervisors (1y SMA req)
S-MAINT-NA500	1yr SMA for 500 Niagara Analytics variables for Niagara AX Supervisors*
S-AX-NA-1000	1,000 Niagara Analytics variables for Niagara AX Supervisors (1y SMA req)
S-MAINT-NA1000	1yr SMA for 1,000 Niagara Analytics variables for Niagara AX Supervisors*
S-AX-NA-5000	5,000 Niagara Analytics variables for Niagara AX Supervisors (1y SMA req)
S-MAINT-NA5000	1yr SMA for 5,000 Niagara Analytics variables for Niagara AX Supervisors*
S-AX-NA-25000	25,000 Niagara Analytics variables for Niagara AX Supervisors (1y SMA req)
S-MAINT-NA25000	1yr SMA for 25,000 Niagara Analytics variables for Niagara AX Supervisors*
S-AX-NA-100000	100,000 Niagara Analytics variables for Niagara AX Supervisors (1y SMA req)
S-MAINT-NA100000	1yr SMA for 100,000 Niagara Analytics variables for Niagara AX Supervisors*

*If Maintenance coverage is not purchased for any period, the price of Maintenance for the next period for which it is purchased will be (i) the Maintenance fee for the period(s) for which Maintenance was not purchased, up to a maximum of 5 years; and (ii) the Maintenance fee for the next year.

KEY ADVANTAGES

- Intelligent alarming based on both historic and real-time data
- Optimized equipment efficiency based on runtime analysis
- Automated KPI evaluation for standard and customized applications
- Supports a wide array of third-party visualization packages that can be quickly and easily added to provide robust visual representation

powered by

niagara
framework®

FEATURES

Component	Description
Data Sources	Components that allow you to target specific data definitions as inputs to logical formulas
Math Objects	Logical blocks that allow you to do simple math using historical or real-time data as parameters
Logic Objects	Allow you to switch an output value based on an input—the If/Then of the Niagara Analytics Framework world
Filters	Remove out-of-range, invalid or bad data from your data set, or filter out a certain time window, day of the week, month in a year, etc.
Strings	Perform String data-based tasks, such as concatenation, replacement or toString functions
Constants	Create Boolean, Numerical, String or Enumerated constants for data comparison—also includes NaN constant for filtering or status evaluation tasks
Miscellaneous	Clearinghouse for other necessary components, such as: DayBuilder, Intersection, IntervalCount, SlidingWindow, ValueMap, Psychometric, Rollup, RelativeTimeRange, ConsumptionToDemand, etc.
Pre-Defined Formulas	<ul style="list-style-type: none">• Building Automation Systems (BAS)• Energy Management• Data Center Infrastructure Management (DCIM)



Users gain insight that helps them better manage their buildings and operations

The Niagara Analytics Framework is available through a wide variety of original equipment manufacturers. Our open distribution business model and open protocol support allow a vendor-neutral application compatible with devices and systems throughout the world.

To learn more about how to purchase, install and start using the Niagara Analytics Framework, or if you are an original equipment manufacturer and would like to add the Niagara Analytics Framework to your suite of offerings, please contact us.



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