

## WEBS-N4 ANALYTICS 2.1

### PRODUCT DATA

#### PRODUCT DEFINITION

WEBS-N4 Analytics version 2.1 is a data analytics extension to the Niagara Framework® available on WEBS-N4 Supervisors and WEB-8000 controllers. It gives Niagara 4 and WEB-8000 users the ability to apply a variety of analytic algorithms and diagnostics to both historical and real-time data available in Niagara. Users have the ability to discover and mitigate previously unknown operational issues, which helps to maximize their investment in Niagara Framework-based products. WEBS-N4 Analytics 2.1 is compatible with WEBS-N4.4 and N4.6.

#### WEB-8000 SERIES AND EDGE CONTROLLER ORDERING INFORMATION

Part number	Description
NA-EC-N4-100	NA-N4 EMBEDDED, 100 ANALY. PTS
NA-EC-N4-250	NA-N4 EMBEDDED, 250 ANALY. PTS
NA-EC-N4-500	WEBS-N4 Analytics Framework (on N4) license for 500 analytic points for an Embedded Controller (WEB-8000). Requires NO purchase of SMA (included as part of core N4 SMA)
NA-EC-N4-1000	WEBS-N4 Analytics Framework (on N4) license for 1000 analytic points for an Embedded Controller (WEB-8000). Requires NO purchase of SMA (included as part of core N4 SMA)
CIPer Model 10	WEBS-N4 CIPer Model 10 field controller with 26 points of onboard IO, 1 RS-485 serial port, and 2 10/100 Ethernet ports. Supports 1 IO-R-34. Includes Niagara N4 and drivers for BACnet, Modbus and SNMP. Supports up to 3 devices or 50 points. Includes all software updates released for commercial use by Tridium for the life of N4 but not for any later versions.
CIPer Model 30	WEBS-N4 CIPer Model 30 field controller with 26 points of onboard IO, 1 RS-485 serial port, and 4 10/100 Ethernet ports. The CIPer Model 30 controller is compatible with two expansion or external I/O models— WEB-09056H and WEB03022H.  The WEB-09056H module is a large expansion module and the WEB-03022H module is a small expansion module. Includes WEBS-N4 and drivers for BACnet, Modbus and SNMP. Supports up to 5 devices and/or 100 global points. Includes all software updates released for commercial use by Tridium 18 Month N4 SMA is standard.

Part number	Description
CIPer Model 50	WEBS-N4 CIPer Model 50 field controller with 26 points of onboard IO, 2 RS-485 serial port, and 2 10/100 Ethernet ports. Supports up to 64 Panelbus expansion I/O modules. Includes WEBS-N4 and drivers for BACnet, Modbus and SNMP. Supports up to 5 devices and/or 100 global points. Includes all software updates released for commercial use by Tridium 18 Month N4 SMA is standard

#### WEBS-N4 SUPERVISOR ORDERING INFORMATION

NA-S-N4-250	WEBS-N4 Analytics Framework (on N4) license for 250 analytic points for a Supervisor. Requires NO purchase of SMA (included as part of core N4 SMA)
NA-S-N4-1000	WEBS-N4 Analytics Framework (on N4) license for 1000 analytic points for a Supervisor. Requires NO purchase of SMA (included as part of core N4 SMA)
NA-S-N4-2500	WEBS-N4 Analytics Framework (on N4) license for 2500 analytic points for a Supervisor. Requires NO purchase of SMA (included as part of core N4 SMA)
NA-S-N4-10000	NA-N4 SUP, 10000 ANALY. PTS
NA-S-N4-50000	NA-N4 SUP, 50000 ANALY. PTS
NA-S-N4-100000	NA-N4 SUP, 10000 ANALY. PTS
NA-S-N4-UNL	WEBS-N4 Analytics Framework (on Niagara 4 license) for Unlimited analytic points for Supervisor
TRN-CRS-N4-ANALT	WEBS-N4 Analytics Framework (on Niagara 4 license) for Unlimited analytic points for Supervisor. Requires NO purchase of SMA (included as part of core N4 SMA)

### KEY ADVANTAGE

- One data model common to Niagara 4
- Ability to leverage Niagara 4 tagging and hierarchies
- Algorithm library with examples for BAS and energy
- Real-time data analysis and control on the onsite WEBS controller
- Wiresheet programming using Niagara Workbench
- Extensive HTML5 user visualization
- Ad-Hoc energy reporting
- Uses Niagara histories instead of an external database
- Analytic alerts that provide actionable information

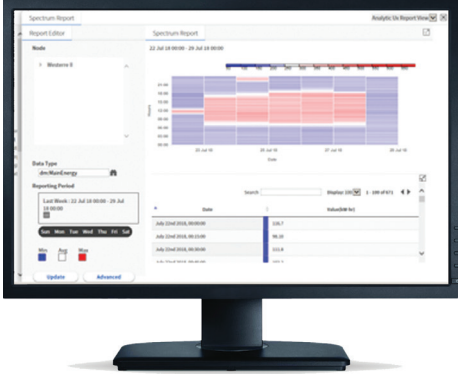
### INCLUSION OF ANALYTIC POINTS AS A BASE

25 analytic points are included with every Supervisor and WEB- 8000 license. 10 analytical points are included with every CIPer Model 10 controller license.

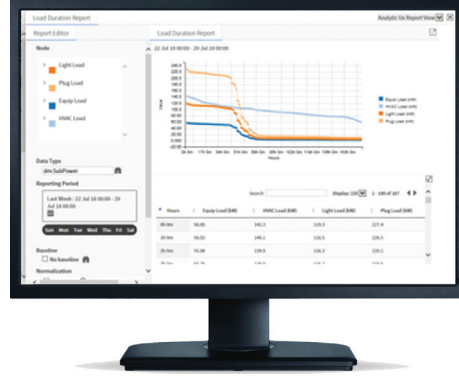
### FEATURES

COMPONENT	BENIFIT
Wire sheet Configuration	Use Niagara wire sheet programming to configure algorithms. Includes an extensive library of math, logic and filter components.
Algorithm library	Includes algorithms for diagnosing system performance and making energy calculations. Modify the included algorithms to build your own library.
Energy charts and reports	Includes 7 configurable energy reports and charts that allow the user to visualize how energy is being used and make informed decisions
Tag library	Uses Niagara tag libraries including Haystack tags
Alerts	Create actionable alerts that provide meaningful insights
Missing data strategy	Interpolate data that is missing due to equipment or communication issues
Dashboard widgets <ul style="list-style-type: none"> <li>• Web chart</li> <li>• Web table</li> </ul>	Widgets to create HTML5 analytic dashboards and graphic pages that can be accessed via PC browser or mobile device
Public APIs	Create custom function blocks and integrate with third-party visualization packages

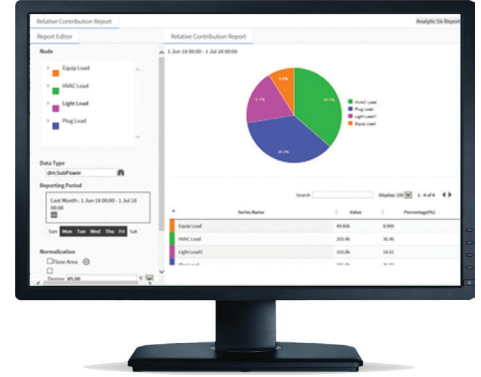
Spectrum Report



Load Duration Report



Relative Contribution Report



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