Niagara AX Supervisor

Overview

New levels of flexibility are available from VYKON, a leading provider of open, Internet-enabled automation infrastructure solutions.

VYKON offers a suite of Niagara-based products designed to integrate diverse smart devices into a unified, Internet-enabled, Web-based system. VYKON solutions integrate LonWorks™, BACnet™, Modbus, oBIX, Internet and Web services protocols in a software platform that can be used in embedded controllers or server applications. VYKON includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.

VYKON Niagara AX Supervisor is a flexible network server used in applications where multiple Niagara AX®-based JACE® controllers will be networked together. Niagara AX Supervisor serves real-time graphical information displays to standard Web-browser clients and also provides server-level functions with enterprise software applications, such as centralized data logging, archiving, alarming, real-time graphical displays, master scheduling, system-wide database management and integration. Additionally, Niagara AX Supervisor provides a comprehensive graphical engineering toolset for application development.

VYKON Niagara AX Supervisors are offered as a scaleable solution for Windows 32 and 64-bit platforms and Linux. Start with licensing for as few as three Niagara Station connections and upgrade as the system grows.

Features

- Java-enabled user interface (UI), as well as a non-Java UI for browsers

- Supports an unlimited number of users over the Internet/intranet with a standard Web browser, depending on the host PC resources

- Optional enterprise-level data archival using SQL, Oracle or DB2 database, and HTTP/HTML/XML text formats

- "Audit trail" of database changes, database storage and backup, global time functions, calendar, central scheduling, control and energy management routines

- Sophisticated alarm processing and routing, including e-mail and paging

- Provides access to alarms, logs, graphics, schedules and configuration data with a standard Web browser

- Password protection and security using standard Java authentication and encryption techniques with optional security supported via an external LDAP connection and SSL

- HTML-based help system that includes comprehensive online system documentation

- Supports multiple SoftJACE, JACE 200, JACE 300E, JACE 403, JACE 545, JACE 600, JACE 600E, JACE 603, JACE 645, JACE 700, JACE XPR or JACE NXT stations connected to a local Ethernet network or the Internet

- Provides online/offline use of the VYKON WorkPlace AX graphical configuration tool and a comprehensive Java Object Library

- Optional direct Ethernet-based driver support for BACnet I/P, OPC (Client), Modbus TCP and SNMP; additional point blocks for each driver may be purchased in blocks of 500 for each protocol

Platform Requirements
Refer to Niagara Central for detailed platform requirements.

Operating System

- Windows Platforms: Windows 7. 8 & 8.1 Professional/Enterprise/Ultimate (64-bit/32-bit, 64-bit only for 8.1); VMware - ESXi 5.1.0; Microsoft Virtual Server 2008; Microsoft Server 2012

- For the Linux version, the required version is Red Hat Enterprise Linux 5

Browsers

- Microsoft IE, Google Chrome and Mozilla Firefox

Ordering Information

Part Number	Description
Niagara AX Supervisor Parts	
S-AX-3	Niagara AX Supervisor software for Windows 32 and 64-bit platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only. Licensed for three station connections maximum.
S-AX-100	Niagara AX Supervisor software for Windows 32 and 64-bit platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only. Licensed for 100 station connections maximum.
S-AX-ENT	Niagara AX Supervisor software for Windows 32 and 64-bit platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only. No licensed limit on station connections.
S-U-AX-100	Upgrade from S-AX-3 to S-AX-100
S-U-AX-UNL	Upgrade from S-AX-100 to S-AX-ENT
S-AX-LNX-3	Niagara AX Supervisor software for Linux platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only. Licensed for three station connections maximum.
S-AX-LNX-100	Niagara AX Supervisor software for Linux platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only. Licensed for 100 station connections maximum.
S-AX-LNX-ENT	Niagara AX Supervisor software for Linux platforms; Includes Niagara Historical Database and Workplace AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only. No licensed limit on station connections.
S-U-AX-LNX-100	Upgrade from S-AX-LNX-3 to S-AX-LNX-100
S-U-AX-LNX-UNL	Upgrade from S-AX-LNX-100 to S-AX-LNX-ENT

Optional Database Drivers	
S-DB-SQL	Microsoft SQL Database Driver
S-DB-DB2	IBM DB2 Database Driver
S-DB-ORCL	Oracle Database Driver
S-DB-MYSQL	Driver for MySQL database for Niagara AX Supervisor
S-DB-CSV	Allows Excel and CSV file data to be imported into Niagara AX
Open System Drivers	
DR-S-oBIX-AX	Niagara AX Supervisor oBIX Driver for connecting to any devices not powered by Niagara, includes license for 500 oBIX points
DR-S-oBIX-500	Additional 500-point block for Niagara AX Supervisor oBIX Driver
DR-S-BAC-CL	BACnet IP Client Driver for Niagara AX Supervisor; Includes license for 500 BACnet points
DR-S-BAC-SRV	BACnet IP Server for Niagara AX Supervisor Note: Does not include client function
DR-S-BACNET	BACnet IP Client Driver with BACnet export functions for Niagara AX Supervisor; Includes license for 500 BACnet points Note: Adding BACNet Operator Workstation and BACNet Advanced Workstation to this part invalidates the BTL Listing
DR-S-BAC-SRV-UP	Add BACnet export functions to a BACnet IP Client Driver for Niagara AX Supervisor
DR-S-BAC-CL-UP	Add BACnet IP client functions to a BACnet IP Server for Niagara AX Supervisor; Includes license for 500 BACnet points
DR-S-BAC-500	Additional 500-point block for Niagara AX Supervisor BACNet IP Driver
DR-S-BAC-OWS	Add BACnet Operator Workstation (OWS) to Niagara AX Supervisor. Requires the BACnet IP Client Driver (DR-S-BAC-CL)
DR-S-BAC-AWS	Add BACnet Advanced Workstation (AWS) to Niagara AX Supervisor. Requires the BACnet IP Client Driver (DR-S-BAC-CL)
DR-S-BAC-AWS-UP	Upgrade from BACNet Operator Workstation (OWS) to BACNet Advanced Workstation (AWS)
DR-S-OPC-AX	Niagara AX Supervisor OPC Driver - Includes license for 500 OPC points
DR-S-OPC-500	Additional 500-point block for Niagara AX Supervisor OPC Driver
DR-S-MDB-AX	Niagara AX Supervisor Modbus TCP Driver - Includes license for 500 Modbus TCP points.
DR-S-MDB-500	Additional 500-point block for Niagara AX Supervisor Modbus TCP Driver
DR-S-MDB-SL-AX	Modbus TCP Slave Driver for Niagara AX Supervisor that "serves" data to other Modbus Master devices over a Modbus TCP connection. Includes license for 500 Modbus TCP Slave points
DR-S-MDB-SL-500	Additional 500-point block for Niagara AX Supervisor Modbus TCP Slave Driver
DR-S-SNMP-AX	Niagara AX Supervisor SNMP Driver - Includes license for 500 SNMP points.
DR-S-SNMP-500	Additional 500-point block for Niagara AX Supervisor SNMP Driver
DR-S-ILON-AX	Niagara AX Supervisor ILON Driver - Includes license for 500 ILON points.
DR-S-ILON-500	Additional 500-point block for Niagara AX Supervisor ILON Driver
DR-S-SOX-ETH-AX	Sedona Framework® SOX driver allowing for Supervisor communication to Sedona Framework-enabled Ethernet and Wi-Fi networks for 1000 network points. Requires Niagara AX 3.6 or later.
DR-S-SOX-ETH-500	Additional 500-point block for Sedona Framework SOX communication driver allowing for Supervisor communication to Sedona Framework-enabled Ethernet and Wi-Fi networks. Requires Niagara AX 3.6 or later.
DR-S-SimpleADR-AX	Base license for Niagara AX Supervisor includes 1 DRAS client connection and CRYPTO license for SSL connection. Requires Niagara AX 3.5 or later.
DR-S-ADRClient-AX	Additional DRAS connection. Requires CRYPTO license for SSL if not installed. Requires Niagara AX 3.5 or later.

Miscellaneous License Options	
SP-SSL	Secure Socket Layer license fee. Enables https communication.
Video Drivers	
DR-S-AXS-AX	Niagara AX Supervisor driver for AXIS IP cameras. Includes license for 16 cameras. Support for live viewing only.
DR-S-AXS-4	Additional 4-camera block for Niagara AX Supervisor AXIS IP camera driver.
DR-S-DED-AX	Niagara AX Supervisor driver for Dedicated Micros video. Includes license for 16 cameras.
DR-S-DED-4	Additional 4-camera block for Niagara AX Supervisor Dedicated Micros video driver.
DR-S-MLS-AX	Niagara AX Supervisor driver for Milestone video. Includes license for 16 cameras.
DR-S-MLS-4	Additional 4-camera block for Niagara AX Supervisor Milestone video driver.
DR-S-RPD-AX	Niagara AX Supervisor driver for RapidEye video. Includes license for 16 cameras. Not supported on 64-bit platforms. Does not support remote video viewing.
DR-S-RPD-4	Additional 4-camera block for Niagara AX Supervisor RapidEye video driver.

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