

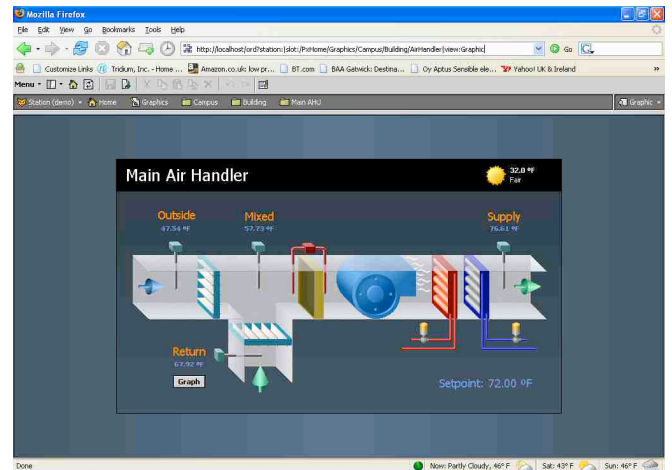
Windows and Linux versions of Niagara AX for central management and visualisation of Niagara based systems

The AX Supervisor[®] is one of a suite of Niagara Framework[®] products designed to integrate a variety of devices and protocols into a common distributed automation system. It incorporates the industry's first software technology to integrate LonWorks[™], BACnet[™], Modbus, and various Internet standards in a common object model, embedded at the controller level and supported by a standard web browser interface. Web Supervisor also includes integrated network management tools to support the design, configuration, installation, and maintenance of interoperable networks.

AX Supervisor[®] is a flexible network server used to manage multiple JACE stations on larger projects, or to provide a central monitoring station in multi-site projects. It also, optionally, supports direct communication with other systems via various IP based protocols, including BACnet I/P, OPC (client), Modbus TCP, EIB/KNX, LON-IP & SNMP. This enables seamless integration of other systems at the IP level, with a common browser user interface, providing much more flexible access (from any networked PC), and simplifying operator training.

AX Supervisor creates a powerful network environment with comprehensive database management, alarm management, and messaging services. In addition, the AX Supervisor provides a full engineering environment and graphical user interface. Advanced graphics can be created for display in any browser. The optional CSV, SQL, MySQL, DB2 and Oracle drivers enable seamless data transfer to these industry standard databases. The optional SMS service enables alarms to be sent as SMS messages.

User selectable UI profiles enable support for touchscreens (large buttons and virtual keyboard) and non-JAVA enabled browsers.

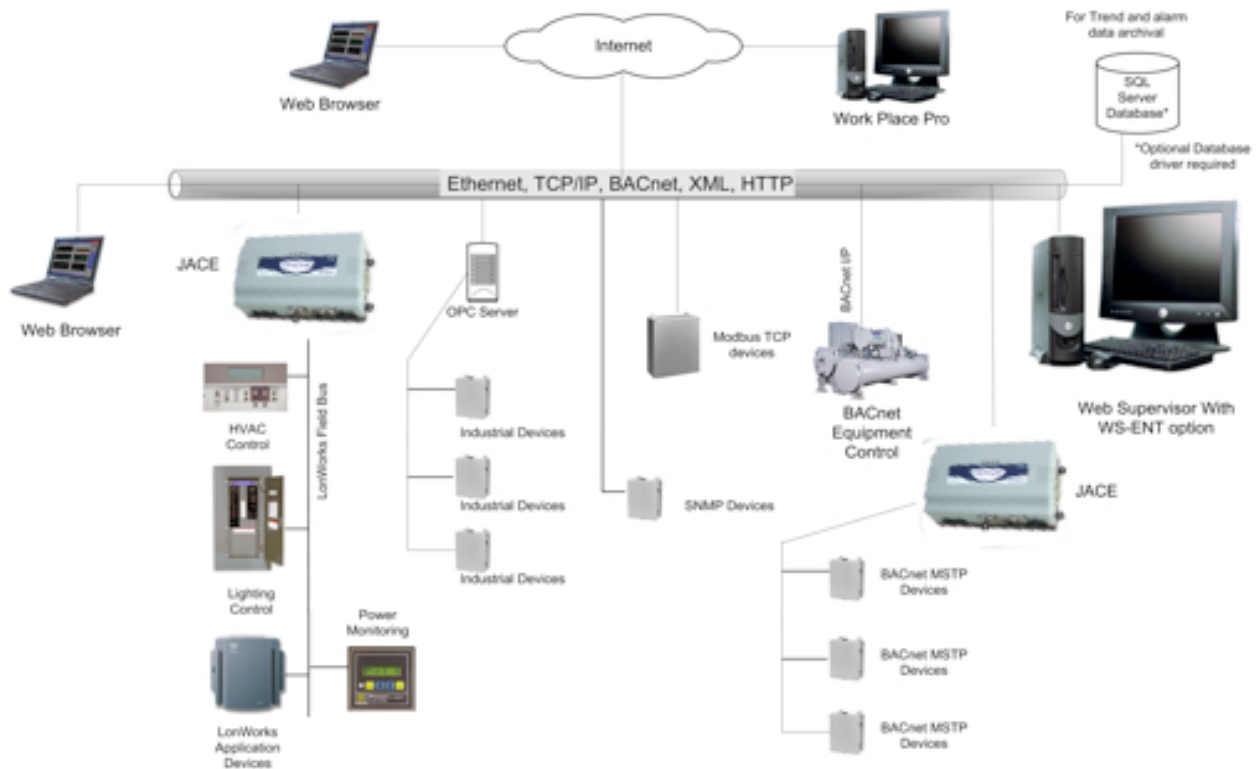


Key features

- Web serving graphical user interface
- Supports multiple JACE stations connected by local Ethernet network, GPRS, or the Internet
- Unlimited number of users over the Internet / Intranet with a standard web browser
- Enterprise-level information exchange using SQL database and HTTP/HTML/XML text formats
- Global time functions, calendar, central scheduling, control, back-up and energy management routines
- Sophisticated alarm processing and routing, including e-mail and SMS support (optional)
- Web access to alarms, logs, graphics, schedules, and configuration data
- PDF report generator enables customised reports to be emailed on a scheduled basis
- Password protection and security using standard Java authentication and encryption techniques
- Comprehensive on-line system help information
- Ethernet driver support for BACnet I/P, OPC, Modbus TCP, EIB/KNX, LON IP and SNMP
- Can export archived trend and alarm data to CSV, SQL, MySQL, DB2 and Oracle
- Support for touchscreens (virtual keyboard etc) and browsers which lack full JAVA support

AX Supervisor

Typical Architecture



Platform Requirements

Processor:	Intel Pentium™ IV, 2Ghz or higher
Operating System:	Microsoft Windows Windows XP Professional, Windows 2003 Server (if Microsoft IIS is disabled), Vista Ultimate, Mozilla Firefox, Internet Explorer™ 5.0 or later. Sun Hotspot JVM.
Memory:	1GB minimum, 2GB recommended
Hard Drive:	1GB minimum, 5GB for applications that need more archiving capacity
Display:	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater
Network Support:	Ethernet adapter (10/100 Mb with RJ-45 connector)
Network Connection:	Full time high speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem); 56 KB modem minimum for dial-up connection to a JACE. GPRS also supported.

How to Order

SAXS10	AX Supervisor Software for small building systems (up to 10 JACEs) Windows 32 bit OS	
SAXW32	AX Supervisor Software (unlimited number of JACEs) Windows 32 bit OS	
SAXW64	AX Supervisor Software (unlimited number of JACEs) Windows 64 bit OS	
SAXLNX	AX Supervisor Software (unlimited number of JACEs) Linux (Red Hat) OS	
SAXSUP	Upgrade AX small building version to full AX Supervisor version	
SAXAPC	AX Alarm Portal Client for alarm management on critical alarm monitoring workstations	
DSXBAC	BACnet IP driver with 500 Bacnet points	PD5BAC Additional 500 BACnet pts
DSXOPC	OPC Client driver with 500 OPC points	PD5OPC Additional 500 OPC points
DSXOPE	OPC Client Alarm & Event Notification driver with 500 points	PD5OPE Additional 500 OPC points
DSXMTC	Modbus TCP driver with 500 Modbus points	PD5MTC Additional 500 Modbus pts
DSXSNM	SNMP driver with 500 SNMP points	PD5SNM Additional 500 SNMP points
DSXKNX	KNX-IP Driver with 500 KNX points	PD5KNX Additional 500 KNX points
DSXLON	LON IP driver with 500 LON points	PD5LON Additional 500 LON points
DSXOBX	oBIX driver for non-Niagara Point connectivity with 500 oBIX pts	PD5OBX Additional 500 oBIX points
DSXCSV	CSV driver	
DSXSQL	SQL driver for support of Microsoft SQL Server database (does not include SQL Server)	
DSXORC	Oracle driver for support of Oracle database (does not include Oracle)	
DSXMYS	MySQL database driver	
DSXTBL	Table driver	

Tridium Europe Ltd

1 The Grainstore, Brooks Green Road, Coolham, West Sussex RH13 8GR, UK
 Telephone: +44 (0) 1403 740290 www.tridiumeuropa.com

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