

### Overview

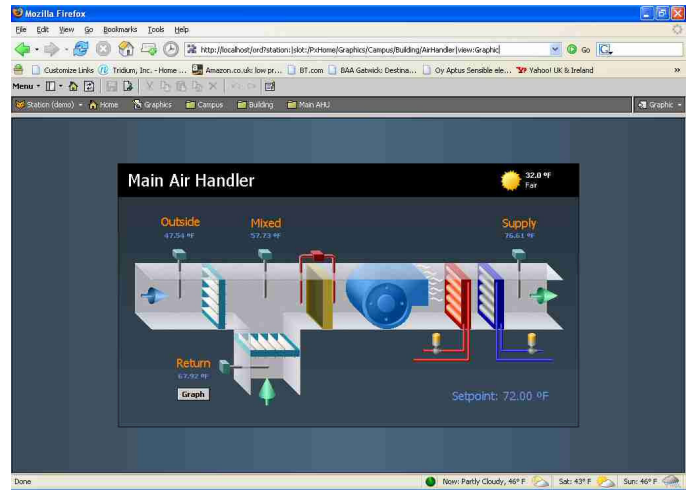
AX Supervisor® is one of a suite of Niagara Framework® products designed to integrate a variety of devices and protocols into a common distributed automation system. It incorporates the industry's first software technology to integrate LonWorks™, BACnet™, Modbus, and various Internet standards in a common 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.

### Applications

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 and 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 SQL and Oracle drivers enable seamless data transfer to these industry standard databases. The optional SMS service enables alarms to be sent as SMS messages.

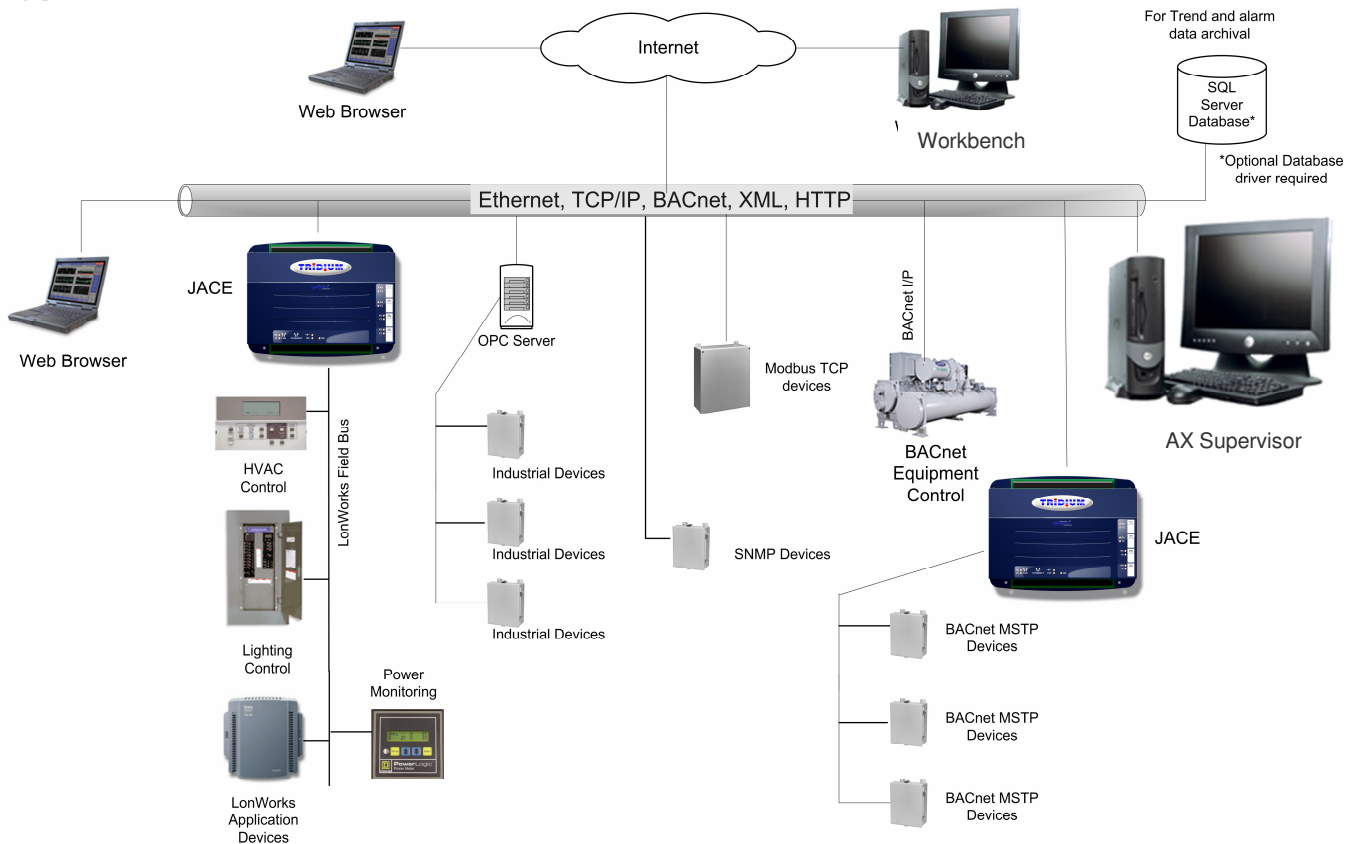
## AX Supervisor DATA SHEET



### Features

- Web serving graphical user interface
- Supports multiple JACE stations connected by local Ethernet network, GPRS or dial-up modem, or the Internet
- Unlimited number of users over the Internet / Intranet with a standard web browser
- Enterprise-level information exchange using an SQL database and HTTP/HTML/XML text formats
- Global time functions, calendar, central scheduling, control, database back-up and energy management routines
- Sophisticated alarm processing and routing, including e-mail and SMS support (optional)
- 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
- Comprehensive on-line system help documentation
- Optional direct Ethernet based driver support for BACnet I/P, OPC (Client), Modbus TCP, EIB, and SNMP.
- Can export archived trend and alarm data to SQL and Oracle

### Typical Architecture



### Platform Requirements

- Processor:** Intel Pentium™ IV, 1Ghz minimum, 3 GHz or higher recommended
- Operating System:** Microsoft Windows™ NT 4.0 with Service Pack 4 or higher or Windows 2000™ or Windows XP Professional, Windows 2003 Server (if Microsoft IIS is disabled), Internet Explorer™ 5.0 or later, or Netscape Communicator™ 4.5 or later. Sun Hotspot JVM.
- Memory:** 512MB minimum, 2 GB recommended
- Hard Drive:** 10 GB minimum, 25 GB 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

Part number	Description
<b>S-AX-SBS10</b>	AX Supervisor software for small business systems (up to 10 JACEs)
<b>S-AX</b>	AX Supervisor Software
<b>S-AX-APC</b>	AX Alarm Portal Client for alarm monitoring workstations
<b>DR-S-BAC-AX</b>	BACnet IP driver with 500 bacnet points
<b>DR-S-OPC-AX</b>	OPC driver with 500 OPC points
<b>DR-S-MTCP-AX</b>	Modbus TCP driver with 500 Modbus points
<b>DR-S-SNMP-AX</b>	SNMP driver with 500 SNMP points
<b>DR-S-EIB-AX</b>	EIB-IP Driver with 500 EIB points
<b>DR-SQL</b>	SQL driver for support of Microsoft SQL Server database (does not include SQL Server)
<b>DR-ORCL</b>	Oracle driver for support of Oracle database (does not include Oracle)
<b>DR-S-SMS</b>	SMS service for AX Supervisor
<b>DR-S-BAC-500</b>	Adds 500 BACnet points
<b>DR-S-OPC-500</b>	Adds 500 OPC points
<b>DR-S-MTCP-500</b>	Adds 500 Modbus points
<b>DR-S-SNMP-500</b>	Adds 500 SNMP points
<b>DR-S-EIB-500</b>	Adds 500 EIB points

Additional information about Tridium is available at [www.tridium.com](http://www.tridium.com)

#### Tridium Europe Ltd

1 The Grainstore, Brooks Green Road,  
Coolham, West Sussex RH13 8GR, UK  
T +44 (0) 1403 740290 F +44 (0) 1403 741804