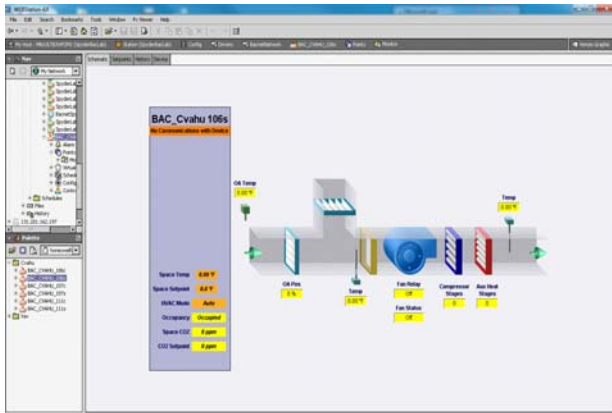# WEBStation-AX^{TM}

Small Building Supervisor can be upgraded to a full WEBs-AX Supervisor if the job outgrows the limit of three Niagara-based connections.

oBIX is now included in all WEBs-AX Supervisors as a means of integrating Niagara-based Release 2 (R2) controllers. With release 2.3.522 or greater, the oBIX driver can be added to expose all data points, schedules, trends and alarms to a WEBs-AX system. This oBIX driver is both a client and a server.
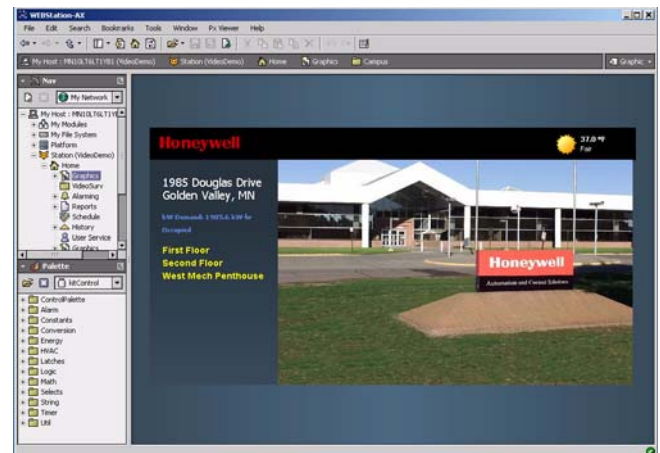

APPLICATIONS

The WEBStation-AX™ is a flexible network server for all connected WEBs-AX controllers. WEBStation is designed to harness the power of the Internet and provide efficient integration of standard open protocols, such as BACnet™ and LONWORKS®. WEBStation-AX™ creates a powerful network environment with comprehensive database management, alarm management and messaging services. WEBStation-AX™ provides an engineering environment and graphical user interface.

In addition to the 32-bit WEBs-AX Supervisor, a 64-bit version for Windows based PCs is available for monitoring systems intended to monitor in excess of 150 and up to 500 Webs-AX controllers. It supports the same feature set as the standard version.

With WEBs-AX release 3.4 or greater, Honeywell offers a platform for the WEBs-AX Supervisor which runs on Red Hat Linux. WEBs-AX 3.4 and later versions provide WEBs-AX Supervisor software that is targeted for a specific Linux-based platform: an Intel-based PC platform running the operating system of Red Hat Enterprise Linux 5.

For smaller installation, the Small Building Supervisor offers the full functions of the Niagara Framework, but limits the number of Niagara-based connections. The Small Building Supervisor can run on a 32 and 64-bit Windows based PC as well as Red Hat Enterprise Linux 5 based PCs. Also, the

FEATURES

- Powerful Java enabled graphical 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.

- Optional enterprise level data archival using an 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 which includes email 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 WEBs-AX Controller stations connected to a local Ethernet or the Internet.

- Provides online/off line use of the WEB Pro-AX^{TM} graphical application configuration tool and a comprehensive Java Object Library.

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

- A "Small Building System" version for both Windows and Linux platforms is available for support of a system with up to three WEBs-AX controllers.

- Available in a 64-bit compliant version of the WEBs-AX Supervisor for large systems monitoring in excess of 150 controllers. All features of the standard WEBs-AX Supervisor are included with this platform.

PLATFORM REQUIREMENTS

Processor: Intel Pentium® IV, 2 GHz or higher, Core 2 Duo also acceptable

Operating System:
32-bit OS required: Windows WEBs-AX Supervisors, Microsoft Windows XP Professional, Windows 2003 or 2008 Server (if Microsoft IIS is disabled), Vista Business or Windows 7, with Mozilla Firefox^{TM} or Internet Explorer^{TM} 5.0 or later
64-bit OS required: Windows WEBs-AX Supervisor, Win64 version of Windows XP Professional or Win64 version of Windows 7
Linux OS required: WEBs-AX Supervisors (32-bit), Red Hat Enterprise Linux 5

Memory: 1 GB minimum, 2 GB or more recommended for large systems, 8 GB or more recommended for the Windows 64-bit version

Hard Drive: 1 GB minimum, 5 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)

Modem: 56 KB minimum, full time high speed ISP connection recommended for remote site access (i.e. T1, ADSL, cable modem)

ORDERING INFORMATION

Table 1. WEBs-AX Supervisor Software

Part #	Description
WEB-S-AX	WEBs-AX Supervisor for a 32-bit Windows Platform; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-O	WEBs-AX Supervisor for a 32-bit Windows Platform with Open License; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-SBS	Small Building System version of the WEBs-AX Supervisor for a 32-bit Windows Platform; Limited to 3 WEBs-AX controllers; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-SBS-O	Small Building System version of the WEBs-AX Supervisor for a 32-bit Windows Platform with Open License; Limited to 3 WEBs-AX controllers; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-64	WEBs-AX Supervisor for a 64-bit Windows Platforms; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-64-O	WEBs-AX Supervisor for a 64-bit Windows Platforms with Open License; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-64-SBS	Small Building System version of the WEBs-AX Supervisor for a 64-bit Windows Platform; Limited to 3 WEBs-AX controllers; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.

Table 1. WEBs-AX Supervisor Software

WEB-S-AX-64-SBS-O	Small Building System version of the WEBs-AX Supervisor for a 64-bit Windows Platform with Open License; Limited to 3 WEBs-AX controllers; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-LNX	WEBs-AX Supervisor for a 32-bit Red Hat Enterprise Linux 5 Platform; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-LNX-O	WEBs-AX Supervisor for a 32-bit Red Hat Enterprise Linux 5 Platform with Open License; Includes Niagara Historical Database and Workbench AX. Includes OBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-LNX-SBS	Small Building System version of the AX Supervisor for a 32-bit Red Hat Linux 5 Platform; Limited to 3 WEBs-AX controllers; Includes Niagara Historical Database and Workbench AX. Includes oBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-LNX-SBS-O	Small Building System version of the AX Supervisor for a 32-bit Red Hat Linux 5 Platform with Open License; Limited to 3 WEBs-AX controllers; Includes Niagara Historical Database and Workbench AX. Includes oBIX client/server driver for connecting to Niagara-based controllers only.
WEB-S-AX-SBS-UP	Small Building System Upgrade (remove Niagara device limit of 3 for any Platform) Note: Upgrades a 32-bit SBS to a 32-bit Supervisor or a 64-bit SBS to a 64-bit Supervisor.
W-S-AX-64-UP	Upgrade from a 32-bit to a 64 bit Platform (for Windows only) Note: Upgrades a 32-bit Supervisor to a 64-bit Supervisor or a 32-bit SBS to a 64-bit SBS.

Table 2. Optional Database Drivers for External Database Applications

S-DB-SQL	Microsoft SQL Database Driver
S-DB-DB2	IBM DB2 Database Driver
S-DB-ORCL	Oracle Database Driver
S-DB-MYSQL	MySQL Database Driver
S-DB-CSV	Allows Excel and CSV file data to be imported into WEBs-AX

Table 3. Open System Drivers for AX Supervisor (not available for Small Building Systems or Linux Supervisors)

Part #	Description
DR-NS-BAC-AX	WEBs-AX Supervisor BACnet IP Client and Server Driver; Includes license for 500 BACnet points (Available for Linux Supervisor)
DR-NS-BAC-CLI	WEBs-AX Supervisor BACnet IP Client Driver; Includes License for 500 BACnet points (Available for Linux Supervisor)
DR-NS-BAC-SRV	WEBs-AX Supervisor BACnet IP Server Driver; allows for BACnet export function
DR-NS-BAC-SRV-UP	Add BACnet export functions to a BACnet IP Client Driver for the WEBs-AX Supervisor
DR-NS-BAC-CL-UP	Add BACnet IP client functions to a BACnet IP Server for the WEBs-AX Supervisor; Includes license for 500 BACnet points
DR-NS-BAC-500	Additional 500 point block for BACnet IP Client Driver (Available for Linux Supervisor)
DR-NS-BAC-OWS	Add BACnet Operator Workstation (OWS) to the WEBs-AX Supervisor. Requires the BACnet IP Client Driver
DR-NS-BAC-AWS	Add BACnet Advanced Workstation (AWS) to the WEBs-AX Supervisor. Requires the BACnet IP Client Driver
DR-NS-BAC-AWS-UP	Upgrade from an Operator Workstation (OWS) to an Advanced Workstation (AWS)
DR-NS-MDB-AX	WEBs-AX Supervisor Modbus TCP Driver - Includes license for 500 Modbus TCP points. WEBStation-AX Modbus TCP Driver

Table 3. Open System Drivers for AX Supervisor (not available for Small Building Systems or Linux Supervisors)

DR-NS-MDB-500	Additional 500 point block for a WEBs-AX Supervisor Modbus TCP Driver
DR-NS-MDB-SL-AX	WEBs-AX Supervisor Modbus TCP Slave Driver; Includes 500 Modbus TCP Slave points
DR-NS-MDB-SL-500	Additional 500 point block for a WEBs-AX Supervisor Modbus TCP Slave Driver
DR-NS-SNMP-AX	WEBs-AX Supervisor SNMP Driver; Includes license for 500 SNMP points
DR-NS-SNMP-500	Additional 500 point block for a WEBs-AX Supervisor SNMP Driver
DR-NS-OPC-AX	WEBs-AX Supervisor OPC Client Driver; Includes license for 500 OPC points
DR-NS-OPC-500	Additional 500 point block for a WEBs-AX Supervisor OPC Driver
DR-NS-OBIX-AX	WEBs-AX Supervisor OBIX Driver for connecting to devices not powered by Niagara; Includes license for 500 OBIX points (Available for Linux Supervisor)
DR-NS-OBIX500	Additional 500 point block for a WEBs-AX Supervisor OBIX Driver
DR-NS-SIMADR-AX	WEBs-AX Supervisor Simple OpenADR Driver; Allows for communication to the Akuacom DRAS or any other approved OpenADR compliant DRAS. Limits one DRAS client connection to the DRAS
DR-NS-SIMADR-1	License for one additional DRAS client server connection.

Table 4. Miscellaneous License Options

Part #	Description
H-SP-SSL	Secure Socket Layer license fee. Enables https communication on one WEBs-AX controller.
WEB-S-FLR-AX	Station for serving separately purchased Workbench or WEBs-AX Supervisor licenses. Must run on a standalone platform or WEBs-AX controller. Must purchase licenses for each copy of Workbench or Supervisor separately that are to be served by the FLR.

Table 5. Video Drivers for WEBs-AX Supervisor (not available for Small Building Systems or Linux Supervisors)

Part #	Description
DR-SUP-RPD-AX	WEBs-AX Supervisor Honeywell Rapid Eye DVR Driver; Includes license for 16 cameras
DR-SUP-RPD-4	Additional 4 camera block for a WEBs-AX Supervisor Honeywell Rapid Eye DVR Driver
DR-SUP-AXS-AX	WEBs-AX Supervisor AXIS IP Camera Driver; Includes license for 16 cameras
DR-SUP-AXS-4	Additional 4 camera block for a WEBs-AX Supervisor AXIS IP Camera Driver
DR-SUP-DED-AX	WEBs-AX Supervisor Dedicated Micros Video Driver; Includes license for 16 cameras
DR-SUP-DED-4	Additional 4 camera block for a WEBs-AX Supervisor Dedicated Micros Video Driver
DR-SUP-MLS-AX	WEBs-AX Supervisor Milestone Systems Driver; Includes license for 16 cameras
DR-SUP-MLS-4	Additional 4 camera block for a WEBs-AX Supervisor Milestone Driver

Automation and Control Solutions

Honeywell International Inc.

1985 Douglas Drive North

Golden Valley, MN 55422

customer.honeywell.com

Honeywell