Honeywell

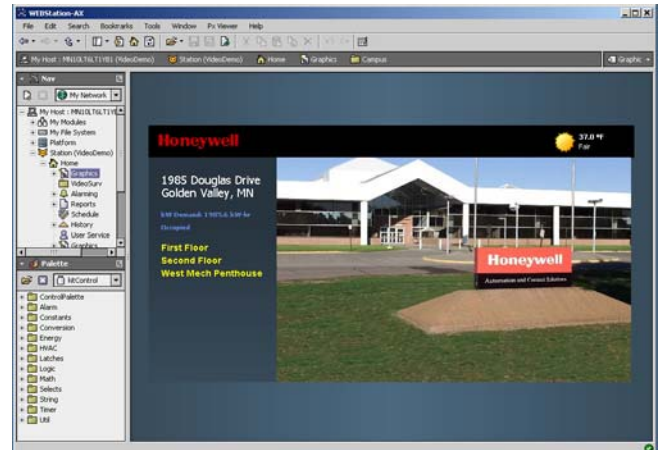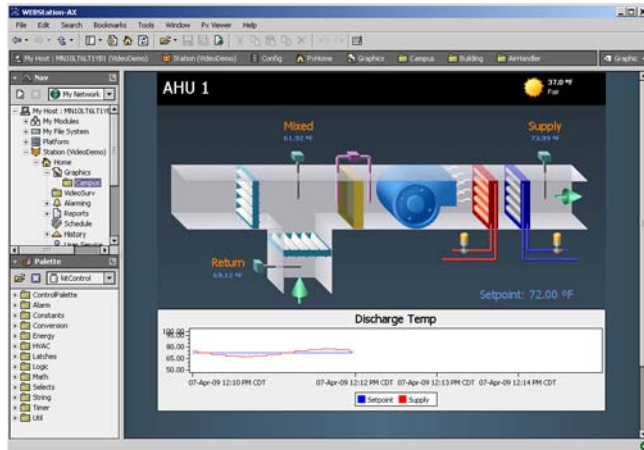# WEBStation-AX™

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™, oBIX and Modbus. 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 to support the design, configuration, installation and maintenance of interoperable networks.

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 Small Building Supervisor can be upgraded 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 server.

FEATURES

- **Supports development of Mobile Web applications. The Web server automatically detects mobile browsers and provides alternate user experience targeted at a smaller display.**

- **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 depending on the host PC resources.**

- **Enhanced certification management includes tools to manage 3rd party & self-signed certificates.**

- **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.**

- **Workbench theming allows the developer to define style attributes with customized color scheme, fonts and icons according to user's choice.**

- **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.**
- **Password security enhancement includes expiring passwords, password history, strong password support and forcing a password changed on first login.**
- **Graphics library is updated with 3-D and photo realistic images for generic graphics & HVC equipment.**
- **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

Browser: Microsoft IE versions 7, 8, 9, Google Chrome version 15, and Mozilla Firefox version 8, 10, 12

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-3-O	WEBs-AX Supervisor software 32bit or 64bit Windows Open License. Includes Niagara Historical Database, Workplace AX, and OBIX client-server driver to connect to Niagara based devices. Request CD at time of Purchase. Max of 3 Connected WEBs Controllers (Small Building Supervisor).
WEB-S-AX-100-O	WEBs-AX Open License Supervisor software for 32bit or 64bit Windows. Includes Niagara Historical Database, Workplace AX, OBIX client-server driver for connecting to Niagara based controllers only. Request CD at time of purchase. 100 Max device Limit.
WEB-S-AX-UNL-O	WEBs-AX Open License Supervisor software for 32bit or 64bit Windows. Includes Niagara Historical Database, Workplace AX, OBIX client-server driver for Niagara based controller connectivity only. Request CD at time of purchase. No Controller Device Limit.
WEB-S-AX-100-UP	Upgrade Small building Windows supervisor from a max of 3 WEBs Controllers to a max of 100 WEBs Controllers
WEB-S-AX-UNL-UP	Upgrade Medium building Windows supervisor from a max of 100 WEBs Controllers to unlimited connectivity (as many WEBs Controllers as the PC can handle)
W-S-AX-LNX3-O	WEBs-AX Open License Supervisor software for 32bit or 64bit Linux. Includes Niagara Historical Database, Workplace AX, OBIX client-server driver for connecting to Niagara based controllers only. Request CD at time of purchase. 3 Device Max

Table 1. WEBs-AX Supervisor Software (Continued)

Part #	Description
W-S-AX-LNX100-O	WEBs-AX Open License Supervisor software for 32bit or 64bit Linux. Includes Niagara Historical Database, Workplace AX, OBIX client-server driver for connecting to Niagara based controllers only. Request CD at time of purchase. 100 Device Limit
W-S-AX-LNXUNL-O	WEBs-AX Supervisor software for 32-bit or 64-bit Linux. Includes Niagara Historical Database, Workplace AX, OBIX client-server driver for connecting to Niagara based controllers only. Request CD at time of purchase. No device limit.
W-S-AX-LNX100-UP	Upgrade Small Building Linux Supervisor from a max of 3 WEBs Controllers to a max of 100 WEBs Controllers
W-S-AX-LNXUNL-UP	Upgrade Medium building Linux supervisor from a max of 100 WEBs Controllers to unlimited connectivity (as many WEBs Controllers as the PC can handle)

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-BACNET	BACnet IP Client driver with BACnet Export functions for WEBs-AX Supervisor. Includes license for 500 BACnet points. Note: Adding OWS and AWS to this part invalidates the BTL listing.
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
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

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

Part #	Description
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.

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

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