

WEBs-AX™ Enterprise Security



APPLICATIONS

WEBs-AX Enterprise Security is a comprehensive access control and security management solution, built on a truly open, IP based platform. Developed using the NiagaraAX Framework, WEBs-AX Enterprise Security provides unparalleled interoperability within traditional security environments and extends seamlessly to create a unified, intelligent building by integrating with today's diverse facility systems including environmental controls, lighting, energy management, and video. The core architecture of WEBs-AX Enterprise Security is proven and designed to solve the complexities of integrating disparate systems in real world scenarios.

Enterprise Security provides scalability ranging from single door solutions to multi-building/multi-campus deployments. Entirely accessible from any standard web browser, the solution provides flexible access into the system any time, anywhere, while liberating end users from dedicated client workstations in the traditional client /server model. WEBs-AX Enterprise Security is open—open architecture, open framework, open distribution, and open protocol support.

The WEBs-AX Suite of products integrates today's diverse building systems such as environmental controls, security, lighting, energy management, and video to create better buildings—ones that are smarter, use less energy, are more efficient, have lower operating costs, are safer, and contribute to a sustainable environment.

FEATURES

- Truly open solution-connectivity via oBIX, BACnet, SNMP, Modbus, and other nonproprietary protocols
- Web-based security application – easily managed via a standard browser anytime, anywhere

SPECIFICATION DATA

- Supports database connectivity to MS SQL Server 2003 and MySQL
- Distributed architecture for increased reliability and control at remote locations
- Common user experience regardless of manufacturer or protocol
- Centrally managed card holder and credential database
- Integrated video solution with interfaces to leading video manufacturers
- Photo ID capture and display with custom ID badge design and printing
- Quick click access to video playback related to individual alarm events
- UL-294 and CE listed systems (Models SEC-H-201 and SEC-H-600)
- All-in-one controller that provides access control, HVAC, and video control (Model SEC-H-600 only)
- Built on the highly successfully NiagaraAX Framework, the industry's leading facility management software platform
- Advanced occupancy restriction rules through access zone functionality
- Alarm escalation
- Alarm console supports simultaneous viewing of both live and recorded video when alarm events are selected
- Extensive support for threat level management via hierarchically organized active threat level groups which can impact door lockdown and access right assignment policies
- Seamless integration of diverse systems provides a consistent user experience for viewing and monitoring system events
- Scheduled unlock on first validation
- Multi-level elevator control
- Live credential enrollment from any card reader
- Intrusion detection
- Configurable Operator Access Levels
- System segmentation for separate entities
- Simultaneous support for multiple credential formats
- Configurable reports that can be exported or sent automatically via email
- Support for multiple standard and user configured Wiegand card formats



APPLICATION HIGHLIGHTS

ENTERPRISE LEVEL BROWSER BASED SYSTEM

WEBS-AX Enterprise Security solution is built from the ground up on web enabled technologies. Complete system functionality, system configuration and monitoring are available anytime, anywhere from any standard browser interface removing the PC requirements present in traditional client/server architectures.

VIDEO AND GRAPHICS SUPPORT

Complete integrated facility command and control from a common user experience. Accessible through any standard web browser, with real time information from many different systems presented through an intuitive, easy to use interface. Also integrates video with access control, building automation and energy management.

COMPLETE WEB-BASED SUPPORT FOR PHOTO ID CAPTURE AND ID BADGE PRINTING

WEBS-AX Enterprise Security supports integration to the HID Asure ID photo ID processing software package for template design. Photo ID viewer supports simultaneous viewing of live video and photo ID in conjunction with card presentation to selected readers.

ACTIVITY MONITOR

Comprehensive system wide event viewer provides instant feedback on card access traffic, system administration changes and status updates on system arm/disarm. System activity is stored as historical data and can be retrieved through comprehensive built-in reporting tools.

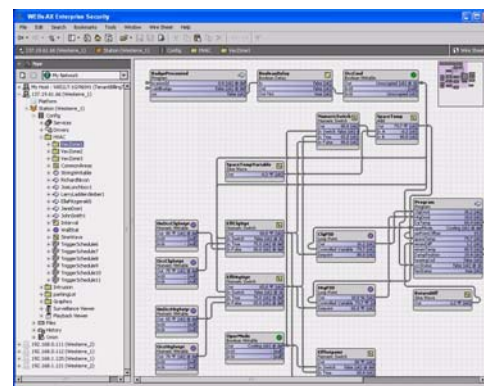
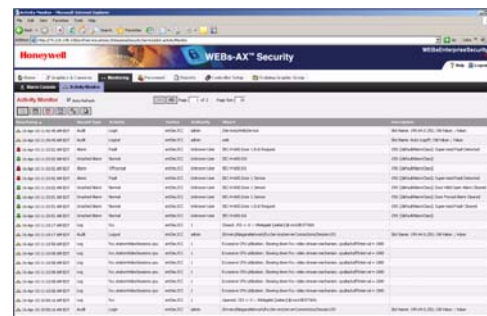
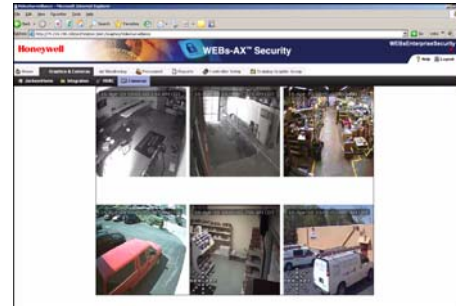
Search using a standard list of pre-defined reports or generate custom reports using powerful ad-hoc reporting capabilities.

EXTENSIVE ACCESS ZONE MANAGEMENT

In addition to common access control functions, enterprise security includes comprehensive rule based access control through access zone management. The system provides one click global lock down as well as supervisor rule enforcement thereby restricting access to areas unless appropriate supervisory staff is present. The extensive occupancy counting functions allow access restrictions based on maximum and minimum number of occupants. Occupancy data can be used to automatically adjust building comfort controls by leveraging the extensive facility integration capabilities.

POWERFUL INTEGRATION TOOLSET

A comprehensive, integrated toolset is a fundamental part of the WEBS-AX Enterprise Security offering. The graphical toolset enables non-programmers (domain experts) to extend the capabilities of the standard product. Using the toolset, integrators can integrate Building Automation, Energy Management, Lighting Control and a wide range of custom solutions tailored to their end user's needs — all while working in a powerful drag-and-drop, graphical programming environment.



SPECIFICATIONS

Maximum Number of:	Enterprise Server	SEC-H-600	SEC-H-201
Personnel	1,000,000	20,000	5,000
Card Readers	10,000	32	16
Access Rights	25,000	250	100
Schedules	25,000	100	25
Access Zones	25,000	50	10
Intrusion Zones	N/A	25	5
Intrusion Keypads	N/A	6	2
Online Historical Records	25,000,000	50,000	10,000
Simultaneous System Users*	25	10	5
Area Controllers	250	N/A	N/A

* The number of access rights assigned to an individual card holder is limited to 15.

SERVER PLATFORM MINIMUM REQUIREMENTS

Component	Number of Controllers	
	1-100	100+
Processor	Pentium IV @ 2GHz	Core 2 Duo2 @ 2 GHz
Memory	4 GB	8 GB
Disk Capacity	250 GB	500 GB
Operating System	Windows XP, Windows 7 or Windows Server 2008	Windows Server 2008 64Bit

SUPPORT SOFTWARE

Databases: MySQL or MS SQL Server 2003 or higher, Windows 7

Web Browsers: IE 6.0 or Firefox 2.0

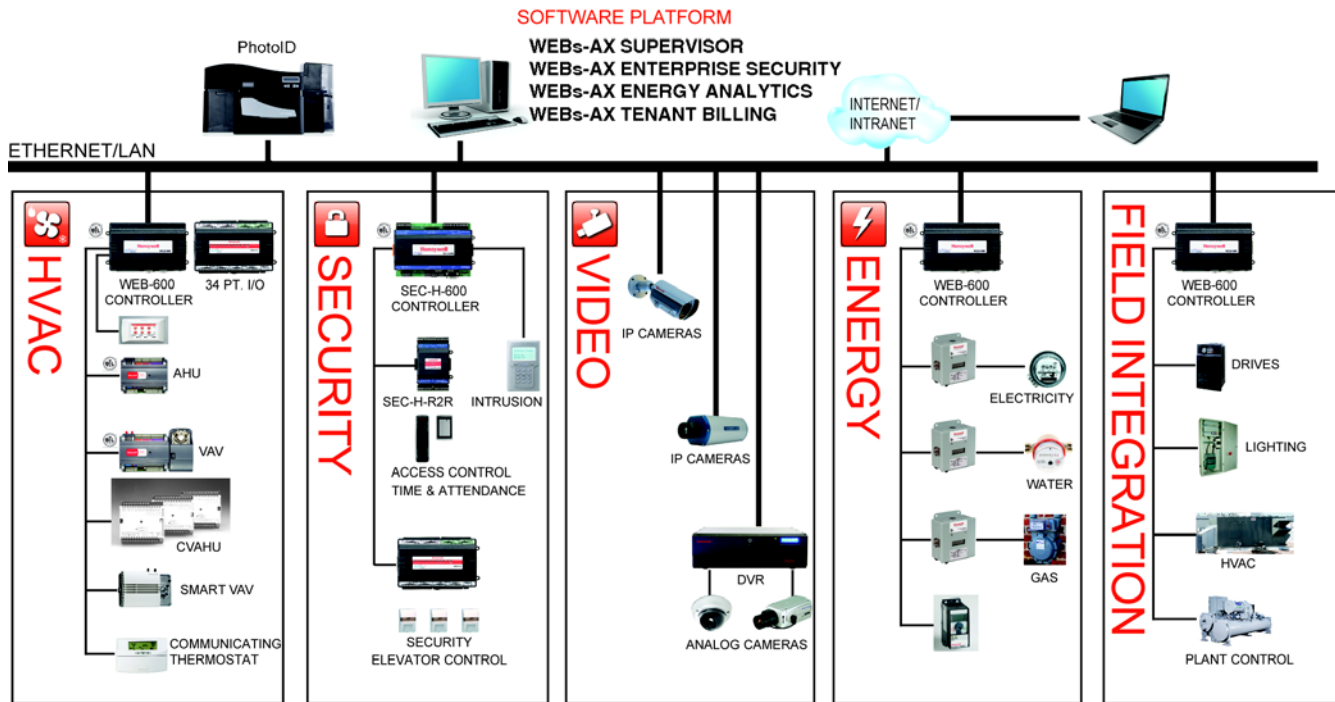


Fig. 1. System Architecture: WEBS-AX Integrated System with WEBS-AX Enterprise Security

ORDERING INFORMATION

Name	OS Number	Description
WEBS-AX Enterprise Security Server Options		
Security Small Building Supervisor w/ MySQL and MS SQL	SEC-H-ENT-6	WEBS-AX Security SBS, includes enterprise security application with 32 reader license, both MySQL and MS SQL Server database drivers and OBIX client/server driver for connecting to Niagara based controllers only. 6 Controller and 64 Reader Limit.
Security Supervisor w/ MySQL and MS SQL	SEC-H-ENT-100	Includes enterprise security application with 32 reader license, WEBS-AX Security Supervisor, both MySQL and MS SQL Server database drivers and OBIX client/server driver for connecting to Niagara based controllers only. Max of 100 Security Controllers. Supervisor limited to security controllers and drivers only and cannot be licensed for BAS controller connections or drivers.
Security Large System Supervisor w/ MySQL and MS SQL	SEC-H-ENT-250	Includes enterprise security application with 32 reader license, WEBS-AX Security, and both MySQL and MS SQL Server database drivers. 250 Controller Limit. Includes OBIX client/server driver for connecting to Niagara based controllers only.
WEBS-AX Enterprise Security Reader Packs		
16 Reader Pack	SEC-H-R-16	Expands enterprise security license by 16 readers.
64 Reader Pack	SEC-H-R-64	Expands enterprise security license by 64 readers.
256 Reader Pack	SEC-H-R-256	Expands enterprise security license by 256 readers.
1024 Reader Pack	SEC-H-R-1024	Expands enterprise security license by 1024 readers.
Photo ID License and Software		
Photo ID Driver	DR-SEC-S-ASURE	Add support for photo ID badge processing utilizing the HID Asure ID photo ID software package. Each instance of this option allows connection of one Asure ID workstation to the Niagara Enterprise Security Supervisor. This driver product DOES NOT INCLUDE the HID Asure ID Software (SEC-H-ASURE-ID)
HID Asure ID Software	SEC-H-ASURE-ID	Asure ID 7 photo ID software for photo capture, printing and badge template design. This product REQUIRES the DR-SEC-S-ASURE driver to provide a single photo ID workstation.
WEBS-AX Enterprise Security Upgrade Part Numbers for Existing Supervisors		
Upgrade ENT Security from 6-100	SEC-H-U-100	Security ENT upgrade. Upgrade an existing SEC-H-ENT-6 SBS Security Supervisor to a SEC-H-ENT-100 Security Supervisor. Supervisor requires additional reader licenses to expand system capacity.
Upgrade ENT Security from 100-250	SEC-H-U-250	Security ENT upgrade. Upgrade an existing SEC-H-ENT-100 Security AX Supervisor to a SEC-H-ENT-250 Large System Security Supervisor. Supervisor requires additional reader licenses to expand system capacity.
Security Small Building Revision Upgrade	SEC-H-REV-6	New release software upgrade for Enterprise Security Small Building Supervisor. Price includes all applications and drivers licensed for the Supervisor. Upgrades the Supervisor to the current release.
Security Small Building Maintenance Agreement	SEC-H-ENT-6-MA	Annual software maintenance agreement when purchased with any Security Small Building Supervisor. Includes new and interim releases for one year from date of purchase.
Security Supervisor Revision Upgrade	SEC-H-REV-100	New release software upgrade for Enterprise Security Supervisor. Price includes all applications and drivers licensed for the Supervisor. Upgrades the Supervisor to the current release.
Security Supervisor Maintenance Agreement	SEC-H-ENT-100-MA	Annual software maintenance agreement when purchased with any Enterprise Security Supervisor. Includes new and interim releases for one year from date of purchase.
Security Large System Revision Upgrade	SEC-H-REV-250	New release software upgrade for Enterprise Security Large System Supervisor. Price includes all applications and drivers licensed for the Supervisor. Upgrades the Supervisor to the current release.

Name	OS Number	Description
Security Large System Maintenance Agreement	SEC-H-ENT-250-MA	Annual software maintenance agreement when purchased with any Large Scale Enterprise Security Supervisor. Includes new and interim releases for one year from date of purchase.
Security BAS Upgrade	SEC-H-BAS-U*	Upgrade security supervisor to allow BAS driver and connection functionality. Allows the addition of non-security controllers to be integrated into the same enterprise security supervisor.
Existing BAS Supervisor Upgrade to Enterprise Security w/ MySQL and MS SQL	SEC-H-ENT-U*	Base enterprise security software license to upgrade an existing AX Supervisor, including reader license for 32 readers, enterprise security application, and both MySQL and MS SQL Server database drivers. Requires AX Supervisor software or small building AX Supervisor software.
WEBS-AX Security - Software Options		
Security Maintenance Tool	SEC-H-MT-AX	WEBS Security Maintenance Tool. Profiled version of WorkplaceAX to be used with security appliance for appliance upgrades, backups and disaster recovery.

* Note: These upgrades are recommended for facilities which require no more than 128 readers and 12 system controllers total. Please see the user's manual section "Upgrade an existing WEBS-AX 3.4 or later Supervisor to Enterprise Security" for complete application details.

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Automation and Control Solutions

Honeywell International Inc.
1985 Douglas Drive North
Golden Valley, MN 55422
customer.honeywell.com

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