

# WEBs-AX Security SEC-H-602 and SEC-H-616 Controllers

SPECIFICATION DATA



## FEATURES

- Alarm console supports simultaneous viewing of both live and recorded video when alarm events are selected
- Extensive support for threat management via hierarchically organized active threat level groups which can impact door lock down and access right assignment policies
- Integrated management of access control, alarm monitoring, intrusion detection and credential database
- Pre-defined custom reports on screen or exported
- Custom graphic floor plans and equipment displays
- User-definable Wiegand card formats
- Elevator control
- Intrusion detection
- Advanced occupancy restrictions including multi-person and anti-passback utilizing Access Zones
- Monitor and alarm on non-security related events such as temperature, pressure and other analog sensor inputs
- Integrated video solution with interfaces to many leading video manufacturers
- Web-based Security Controller – easily managed via a web browser anytime, anywhere
- Connectivity to any facility system via BACnet®, LonWorks®, Modbus®, and oBIX
- Seamlessly integrates to HVAC, Lighting, and Energy Management Applications
- IT connectivity via oBIX, SNMP and HTTP

## APPLICATION

WEBs-AX Security by Honeywell is an open, web-based security management solution that allows you to manage and monitor your facility anytime, anywhere. Built on the NiagaraAX Framework®, WEBs-AX Security integrates with any building automation system, enabling you to control lighting, HVAC equipment, and other building systems in response to access events and alarm conditions.

The heart of WEBs-AX Security is the advanced IP-based controller that eliminates the need for on-site PCs or thick client software.

WEBs-AX Security enables authorized security administrators to manage credentials, access rights, access control, intrusion detection and alarm monitoring via a web browser interface from anywhere.

WEBs-AX Security is built on the NiagaraAX Framework, the industry's leading automation infrastructure platform. This allows integration with your building control system via BACnet, Lonworks, and Modbus, as well as supports enterprise connectivity through XML, SNMP, oBIX and HTTP.



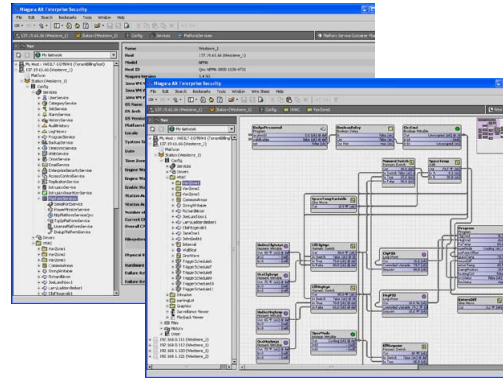
## Security Appliance

### Completely Browser-Based System



Honeywell's WEBS-AX 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.

## Powerful Integration Toolset



A comprehensive, integrated toolset is a fundamental part of the WEBS-AX 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 end user's needs — all while working in a powerful drag-and-drop, graphical programming environment.

## Security Family of Products



The WEBS-AX Security product family consists of a WEBS-AX Security controller, reader modules, and I/O modules available in 3 different sized enclosures. The hardware modules support Wiegand style readers, supervised inputs, Form C relay-controlled outputs, and digital inputs. Enclosures are equipped with key lock, tamper switch, and the medium/large enclosures include a universal power supply. Knockouts are provided on top, bottom and sides for external connections. The enclosure interior has generous space for cable management.



### Security Controller (SEC-H-602 or SEC-H-616)

Web-based, access control network controller that contains a web-server, embedded database, and WEBS-AX Security application software. The controller includes connectivity for 2 card readers and additional I/O for door control or general purpose usage.



### I/O Module (SEC-H-RIO/U)

Contains capacity for 8 supervised inputs and 8 Form C relay outputs. The I/O Module can be utilized for monitoring intrusion sensors, elevator controls, or controlling doors which do not require a card reader.



### Reader Module (SEC-H-R2R/U)

Supports 2 Wiegand style card readers and required I/O to support 2 doors. The I/O supports a door sensor, request-to-exit device, and strike for each door.



### Universal I/O Module (IO-16-REM-H/U)

Supports 8 Universal Inputs, 4 Form A Relay Outputs, and 4 0-10 VDC Analog Outputs. The Universal I/O Modules can be utilized for monitoring analog inputs, providing analog control signals, and providing relay contacts when interfacing to non-security related equipment.

**NOTE:** Requires one port on the NPB-2X-RS485/U option card not included with purchase.



### Intrusion Arming Keypad (SEC-H-INT-KP/U)

LCD display and keypad for arming and disarming Intrusion Zones. Display also provides feedback to the user regarding arming status and status of individual intrusion points.

**NOTE:** Requires one port on the NPB-2X-RS485/U option card not included with purchase.

# SPECIFICATIONS

Part Number	Card Readers	Supervised Inputs	Digital Inputs	Universal Inputs	Relay Outputs	0-10 VDC Analog Outputs
SEC-H-602	2	6	3	—	4 Form C	—
SEC-H-616	2	6	3	—	4 Form C	—
SEC-H-R2R/U	2	4	2	—	2 Form C	—
SEC-H-RIO/U	—	8	2	—	8 Form C	—
IO-16-REM-H/U	—	—	—	8	4 Form A	4

**SEC-H-602 and SEC-H-616 Platforms**

- PowerPC 440 524 MHz processor
- 256 MB DDR RAM & 128 MB Serial Flash
- Battery backup
- Real-time clock

**WEBS-AX Security Controller Communications**

- 2 Ethernet Ports – 10/100 Mbps
- 1 RS 232 Port (9 pin D-shell connector)
- 1 RS 485 (6 pin screw terminal)

**WEBS-AX Security Controller Operating System**

- QNX RTOS
- Sun Hotspot JVM (Java Virtual Machine)
- NiagaraAX

**Power Supply**

- NPB-PWR-UN-H/U: 100-240 VAC, 50/60 Hz, 15VDC power supply module, 30 Watt

**I/O Module Communications**

- 1 RS 485 (6 pin screw terminal)

**Environment**

- Operating temperature range: 0° to 50°C (32°F to 122°F)
- Storage temperature range: 0° to 60°C (32°F to 140°F)
- Relative humidity range: 5% to 95%, non-condensing

**Agency Listings**

- FCC part 15 Class A
- UL 294 Access Control Units
- CE

## Resource Capacities

	WEBS-AX Security Controller 602	WEBS-AX Security Controller 616
Reader Modules	up to 15 <sup>1</sup>	up to 15 <sup>1</sup>
I/O Modules	up to 15 <sup>1</sup>	up to 15 <sup>1</sup>
Total Readers	2 with option for 32 max <sup>2</sup>	16 with option for 32 max <sup>2</sup>
Universal I/O Module	4 <sup>1</sup>	4 <sup>1</sup>
Intrusion Arming Keypad	up to 6	up to 6
Total I/O	120 <sup>2</sup> /120 <sup>2</sup>	120 <sup>2</sup> /120 <sup>2</sup>
Personnel Records	20,000	20,000
Access History Records	50,000	50,000
Supports Optional Non-Security Drivers	No	Yes

<sup>1</sup> Max of 15 modules (SEC-H-RIO/U and SEC-H-R2R/U) per SEC-H-602 or SEC-H-616

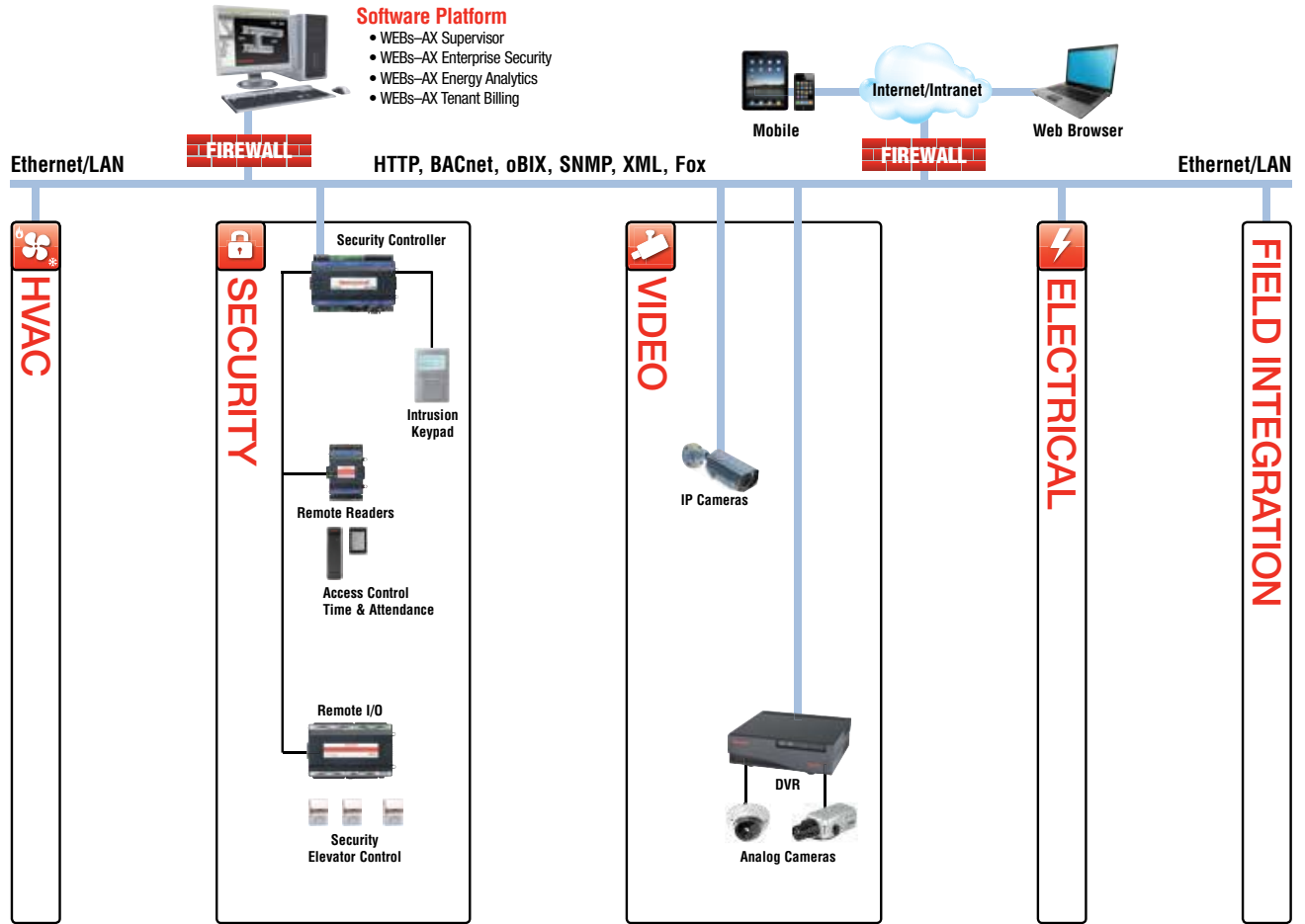
<sup>2</sup> Up to 32 readers or 120 I/O points, depending on module combination

General Note: For systems requiring multiple controllers or greater than 32 readers, use the Niagara Enterprise Security solution.

## ORDERING INFORMATION

Part Number	Description
SEC-H-602	WEBS-AX Security 602 controller. Includes connections for 2 Card Readers, 6 Supervised Inputs, 4 Form C Relay Outputs, and 3 Digital Inputs, 256 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots. Provides removable screw terminal connectors, and status indication LEDs. The security controller is designed for DIN rail mounting. Includes Security Appliance, Web UI and the following standard drivers: Niagara Network (Fox) Client / Server, NRIO, BACNet® IP Server and oBIX Server. Supports up to 2 card readers with maximum of 32, 20,000 personnel records, 7,500 transactional history records, intrusion and optional video drivers. Additional card reader expansion is purchased separately. Manufactured in the USA.
SEC-H-616	WEBS-AX Security 616 controller. Includes connections for 2 Card Readers, 6 Supervised Inputs, 4 Form C Relay Outputs, and 3 Digital Inputs, 256 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots. Provides removable screw terminal connectors, and status indication LEDs. The security controller is designed for DIN rail mounting. Includes Security Appliance, Web UI and the following standard drivers: Niagara Network (Fox) Client / Server, NRIO, BACNet® IP Server and oBIX Server. Supports up to 16 card readers with maximum of 32, 20,000 personnel records, 7,500 transactional history records, intrusion and optional video drivers. Supports optional BAS drivers for integration to building controls. Additional card reader expansion is purchased separately. Manufactured in the USA.
SEC-H-616-DEMO	Includes connections for 2 Card Readers, 6 Supervised Inputs, 4 Form C Relay Outputs, and 3 Digital Inputs. Includes 256 MB RAM/128 MB Flash, 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots. Contains removable screw terminal connectors, and status indication LEDs. The WEBS-AX security controller is designed for DIN rail mounting. Includes Security Appliance and all drivers. Supports up to 16 card readers, 20,000 personnel records, 50,000 transactional history records and security / BAS from single controller. Includes BACnet, Lonworks, MODbus TCP and 16 cameras for each available video drivers at the time of purchase.
SEC-8-RDR	Niagara Security eight (8) reader expansion. Expands the maximum number of readers on a Security Controller by eight readers.
SEC-602-UP	Niagara Security SEC-H-602 controller upgrade. Upgrade the SEC-H-602 controller to a SEC-H-616 supporting a minimum of 16 card readers. Optional SEC-8-RDR reader upgrades previously applied to the SEC-H-602 will transfer to the upgraded SEC-H-616 as additional readers. Upgrade also enables support for BAS drivers on the security controller.
SEC-H-R2R/U	Reader Module. Includes connections for 2 Card Readers, 4 Supervised Inputs, 2 Form C Relay Outputs, and 2 Digital Inputs.
SEC-H-RIO/U	Remote I/O. Includes connections for 8 Supervised Inputs, 8 Form C Relay Outputs, and 2 Digital Inputs.
NPB-PWR-UN-H/U	Universal Power Supply. Universal 100-240 VAC IN, 15 VDC OUT 30 watt power supply.
NPB-2X-RS485/U	Dual RS-RS485/U Option Card: Provide two (2) RS-RS485/U ports to support the IO-16-REM-H/U or SEC-H-INT-KP/U
IO-16-REM-H/U	Universal IO. Includes 8 Universal Inputs, 4 Analog Outputs, and 4 Form A Relay Outputs.
SEC-ENC-H-3/U	Small-sized Security Enclosure. Enclosure with DIN rail, tamper switch and key lock. Single 2 reader module only option available for this enclosure.
SEC-ENC-H-1/U	Medium-sized Security Enclosure. Enclosure with DIN rail, tamper switch, key lock, universal power supply, and capacity for user provided SLA batteries. Configurable options include 1 Security JACE, 2 reader modules or 1 I/O module.
SEC-ENC-H-2/U	Large-sized Security Enclosure. Enclosure with DIN rail, tamper switch, key lock, universal power supply, and capacity for user provided SLA batteries. Enclosure includes 2 DIN rails for additional module expansion. Configurable options include 1 Security JACE, 4 reader modules or 2 I/O modules.
SEC-H-INT-KP/U	Intrusion Alarming Keypad. LCD display and keypad for arming and disarming Intrusion Zones.

# WEBS-AX™ System Integration



01-0001-Sec-Vid-Portrait  
August 2013





By using this Honeywell literature, you agree that Honeywell will have no liability for any damages arising out of your use or modification to, the literature. You will defend and indemnify Honeywell, its affiliates and subsidiaries, from and against any liability, cost, or damages, including attorneys' fees, arising out of, or resulting from, any modification to the literature by you.

**Automation and Control Solutions**

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

© U.S. Registered Trademark  
© 2014 Honeywell International Inc.  
31-00011—02 M.S. Rev. 05-14  
Printed in United States

**Honeywell**