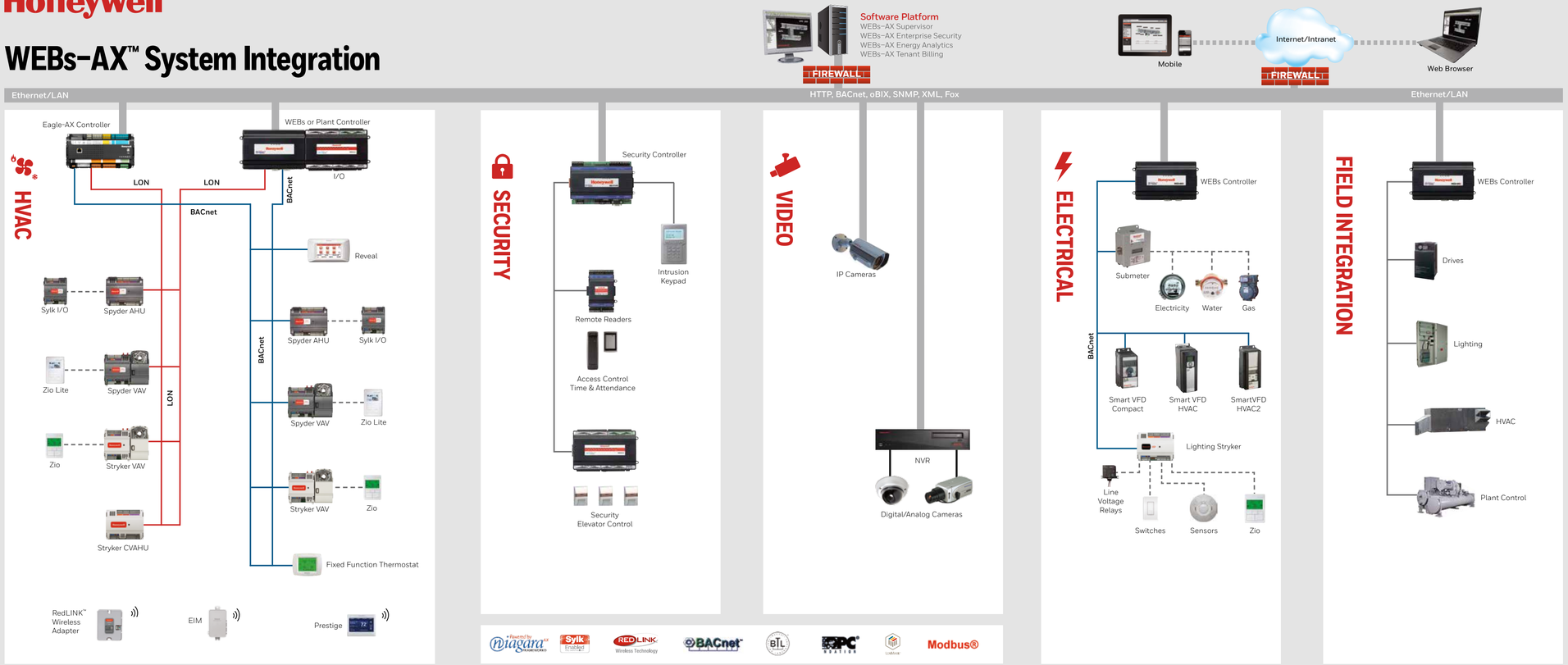
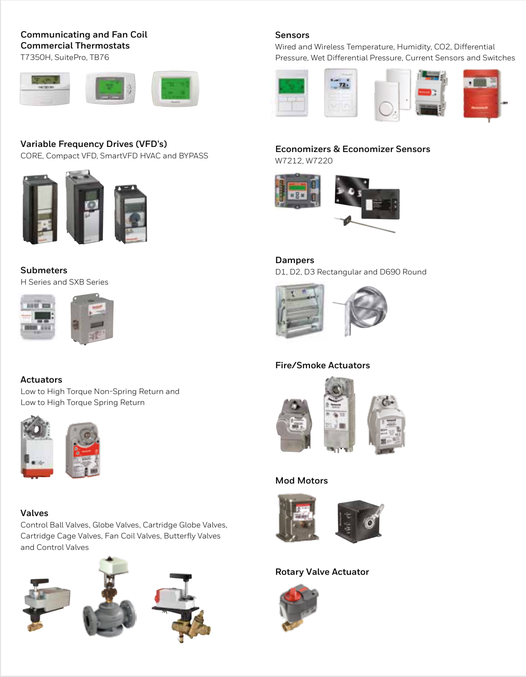
Honeywell

WEBs-AX™ System Integration



HVAC Field Devices

Select from a full range of Honeywell components for a completely interoperable system.


Communicating and Fan Coil Commercial Thermostats
T7350H, SuitePro, TB76
Variable Frequency Drives (VFD's)
CORE, Compact VFD, SmartVFD HVAC and BYPASS
Submeters
H Series and SXB Series
Actuators
Low to High Torque Non-Spring Return and Low to High Torque Spring Return
Valves
Control Ball Valves, Globe Valves, Cartridge Globe Valves, Cartridge Cage Valves, Fan Coil Valves, Butterfly Valves and Control Valves
Sensors
Wired and Wireless Temperature, Humidity, CO2, Differential Pressure, Wet Differential Pressure, Current Sensors and Switches
Economizers & Economizer Sensors
W7212, W7220
Dampers
D1, D2, D3 Rectangular and D690 Round
Fire/Smoke Actuators
Mod Motors
Rotary Valve Actuator

WEBs-AX System Options

Site Supervision

HVAC

Product	Part Number	Operating System	Device Limit	Open License Available	Description
WEBStation-AX Small Building Supervisor	WEB-S-AX-3-O	Windows	3	Yes	AX Supervisor software; Includes Niagara Historical Database and Workplace AX. Includes oBIX client/server driver for connecting to Niagara based controllers only. No drivers can be added to the Small Building Supervisor except database drivers.
	W-S-AX-LNX3-O	Linux	3	Yes	
WEBStation-AX Medium Building Supervisor	WEB-S-AX-100-O	Windows	100	Yes	AX Supervisor software; Includes Niagara Historical Database and Workplace AX. Includes oBIX client / server driver for connecting to Niagara based controllers only.
	W-S-AX-LNX100-O	Linux	100	Yes	
WEBStation-AX	WEB-S-AX-UNL-O	Windows	None	Yes	AX Supervisor software; Includes Niagara Historical Database a nd Workplace AX. Includes oBIX client / server driver for connecting to Niagara based controllers only.
	W-S-AX-LNXUNL-O	Linux	None	Yes	
WEBPro-AX	WEB-S-AX-W	Windows 32/64-Bit	None	No	Stand-alone copy of Workplace AX. Supports both Supervisor and Niagara devices. Additional end user copy of WEBPro-AX NOTE: Use WEB-U-AX to upgrade.
SoftJACE	W-SJ-1M-AX	Windows 32/64-Bit	None	No	AX SoftWEB software package with 10 Million resources count. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX client / server, Niagara Network (Fox) Client / Server.
Alarm Console	W-ALARM-CONSL	Windows 32/64-Bit	N/A	No	The Alarm Console client. No separate server is required. Supports both Supervisor and Niagara device alarm monitoring.

SECURITY

Security Small Building Supervisor w/ MySQL and MS SQL	SEC-H-ENT-6	Windows 32/64-Bit	6	Yes	Security AX Small Building Supervisor bundled part. Includes enterprise security application with 32 reader license, Security AX Supervisor, and both MySQL and MS SQL Server database drivers. Supervisor limited to security controllers and drivers only and can not be licensed for BAS Controller connections or drivers. Small Building Supervisor limited to max of 6 security controller connections and 64 readers. Includes OBIX client/server driver for connecting to Niagara based controllers only.
Security Supervisor w/ MySQL and MS SQL	SEC-H-ENT-100	Windows 32/64-Bit	100	Yes	Security AX Supervisor bundled part. Includes enterprise security application with 32 reader license, Security AX Supervisor, and both MySQL and MS SQL Server database drivers. Supervisor limited to security controllers and drivers only and cannot be licensed for BAS controller connections or drivers. Platform for systems up to 100 security controllers. Includes OBIX client/server driver for connecting to Niagara based controllers only.
Security Large System Supervisor w/ MySQL and MS SQL	SEC-H-ENT-250	Windows 32/64-Bit	250	Yes	Security AX Supervisor bundled part. Includes enterprise security application with 32 reader license, Security AX Supervisor, and both MySQL and MS SQL Server database drivers. Supervisor limited to security controllers and drivers only and cannot be licensed for BAS controller connections or drivers. Platform for systems up to 250 security controllers. Includes OBIX client/server driver for connecting to Niagara based controllers only.

Applications

ENERGY

Product	Part Number	Device Limit	Description
Tenant Billing	WEB-TBS-AX	10 Tenants	WEBs Tenant Billing Service (TBS), includes license for 10 tenants. Must be installed on WEBStation-AX
	WEB-TBS-AX-10	10 Tenants	Adds 10 tenants to a TBS License
	WEB-TBS-AX-25	25 Tenants	Adds 25 tenants to a TBS License
	WEB-TBS-AX-50	50 Tenants	Adds 50 tenants to a TBS License
	WEB-TBS-AX-100	100 Tenants	Adds 100 tenants to a TBS License
Energy Analytics	WES-STA-AX	1 Controller	Allows multiple points within 1 controller to be retrieved and used within energy analytics
	WES-PNT-AX	1 Point	Allows 1 point from a single meter or utility company that provides their information over IP to be retrieved and used within energy analytics

Driver

WEB STATION

Driver	Connectivity	Open Protocol
Assure ID*	Ethernet	
BACnet		Yes
DB2		Yes
File (CSV)		Yes
HTTPS (SSL)		Yes
LON		Yes
MODBUS		Yes
MSSQL		Yes
MySQL		Yes
Niagara (Fox)		
OBIX (XML)		Yes
OPC		Yes
OpenADR		Yes
Oracle		Yes
SNMP		Yes
Video		
RedLINK™		

*Available as an option for Enterprise Security

WEB CONTROLLER

Driver	Device Connectivity	Open Protocol
American Auto	Serial	
Andover AC-256	Serial	
Andover (INF)	Serial	
BACnet	Ethernet/Serial	Yes
Carrier (CCN)	Serial	
Flex Serial	Serial	
GPRS	Wireless	Yes
Honeywell (C-bus)	Serial	
HTTPS (SSL)	Ethernet	Yes
LON	Ethernet/FTT-10 Twisted Pair	Yes
McQuay (OPL)	Serial	
MODBUS	Ethernet/Serial	Yes
OPC	Ethernet	Yes
OpenADR	Ethernet	Yes
Security Comm.*	Serial	Yes
SMS	Ethernet	Yes
SNMP	Ethernet	Yes
Video	Ethernet	
Z-Wave	Wireless	Yes
RedLINK™	Wireless	

*Available as an option for Security Controllers

NOTE: A list of available drivers is posted on the Honeywell Buildings Forum (http://buildingsforum.honeywell.com)

Controllers

	Platform	Memory	I/O	Open License	Communication Ports	Description
	AX3-PPC	256 MB, 128 MB Flash	Din 34	O	2 10/100 Mb Ethernet ports, NDIO Port and 2 communication card option slots, 2 serial (RS232, RS485)	The AX3-PPC Plant Controller standard features include Niagara station and Web User Interface. Standard drivers include oBIX client/server and Niagara Network (Fox) Client / Server. Includes Modbus, BACnet and LON drivers limited to a total of 5 devices or 150 points per controller. Requires AX 3.8 or later.
	WEB-300E	256 MB, 128 MB Flash	Din 16/34	O	2 10/100 Mb Ethernet ports, NDIO Port and 2 communication card option slots, 2 serial (RS232, RS485)	The WEB-300E standard features include Niagara station and Web User Interface. Standard drivers include oBIX client/server and Niagara Network (Fox) client/server. Requires AX release 3.7.106 or higher.
	WEB-600E	128/256 MB, 128 MB Flash	Din 16/34	O	2 10/100 Mb Ethernet ports, NDIO Port and 2 communication card option slots, 2 serial (RS232, RS485)	The WEB-600E standard features include Niagara station and Web User Interface. Standard drivers include oBIX client/server and Niagara Network (Fox) client/server. Requires AX release 3.6 or higher.
	WEB-603	128/256 MB, 128 MB Flash	10	O	2 10/100 Mb Ethernet ports, 1 communication card option slot, 1 LON, 2 serial (RS232, RS485)	The WEB-603 standard features include 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs, Niagara Station and Web User Interface. Standard drivers include LonWorks, oBIX client/server and Niagara Network (Fox) client/server. Requires AX release 3.6.47 or higher and Niagara R2 version r2.301.535 or higher.
	WEB-645	256 MB, 128 MB Flash	-	O	1 10/100 Mb Ethernet port, 1 LON, 6 serial (2 RS232,4 RS485)	The WEB-545 standard features include BACnet IP Client, BACnet MS/TP and oBIX client/server. Includes steel, wall-mountable enclosure with 120 V power supply. Requires release 3.1 or higher.
	SEC-H-602	256 MB, 128 MB Flash	6 Supervised Inputs, 4 Form C Relay Outputs, and 3 Digital Inputs.	•	Connections for 2 Card Readers, includes 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots	Includes WEBs Security Appliance, Web UI and the following standard drivers: oBIX client/server, Niagara Network (Fox) client/server and BACnet IP Server. Server and BACnet IP Server. Supports two card readers with a maximum of 32 readers, 20,000 personnel records, 7,500 transactional history records
	SEC-H-616	256 MB, 128 MB Flash	6 Supervised Inputs, 4 Form C Relay Outputs, and 3 Digital Inputs.	•	Connections for 2 Card Readers, includes 2 10/100 Mb Ethernet ports, (1) RS-485 serial port, (1) RS-232 serial port, and 2 communication card option slots	Includes WEBs Security Appliance, Web UI and the following standard drivers: oBIX client/server, Niagara Network (Fox) client/server and BACnet IP Server. Server and BACnet IP Server. Supports 16 card readers with a maximum of 32 readers, 20,000 personnel records, 7,500 transactional history records. Supports optional BAS drivers for integration to building controls.

O = Open licensed controller is optional
• = Controller comes standard with open license

Accessories

Product Options	Part Number	Serial/Wireless/ Twisted Pair	Description
Reveal – small display (color & grayscale)	LCD-CT043A100	Serial	Color LCD Touchscreen
	LCD-GT043A100	Serial	Grayscale LCD Touchscreen
I/O modules – din mount (16/ 34 points), remote (16)	IO-16-H	Serial	Includes 8 Universal Inputs, 4 Form A Relay Outputs, and 4 0-10 VDC Analog Outputs. 16 Point I/O Module
	IO-34-H	Serial	Includes 16 Universal Inputs, 10 Form A Relay Outputs, and 8 0-10 VDC Analog Outputs. This IO-34 also contains an on-board 24V AC/DC power supply.
	IO-16-REM-H	Serial	Includes 8 Universal Inputs, 4 Form A Relay Outputs, and 4 0-10 VDC Analog Outputs.
	SEC-H-RIO	Serial	Security Remote I/O
	SEC-H-R2R	Serial	Security Remote Reader
Option Cards	NPB-2X-RS485	Serial	RS 485 Card
	NPB-GPRS-W-H	Wireless	GPRS Modem Kit
	NPB-LON	Twisted Pair	LON Card
	NPB-RS232	Serial	RS 232 Card
	NPB-ZWAVE	Wireless	Z-wave Card
	NPB-SRAM	N/A	SRAM Battery-less Card
	NPB-WIFI-7	Wireless	Wifi Card
	TB-VWG-APP-1014	Wireless	Wireless Zigbee Card
	NPB-2X-REDLINK	Serial	Honeywell Redlink Card

WEBs-AX™ System HVAC Controllers Options

Programmable Field Controllers

	Controller Model	Communication Protocol[a]	Programmable Type	UI	DI	AO	DO	Velocity Pressure Sensor (Microbridge)	Series 60 Floating Actuator
	PUB6438S	BACnet MS/TP	Unitary	6	4	3	8	NO	NO
	PUL6438S	LonWorks	Unitary	6	4	3	8	NO	NO
	PUB6438SR	BACnet MS/TP	Unitary	6	4	3	8[c]	NO	NO
	PUL6438SR	LonWorks	Unitary	6	4	3	8[c]	NO	NO
	PVB6438NS	BACnet MS/TP	VAV	6	4	3	8	YES	NO
	PVL6438NS	LonWorks	VAV	6	4	3	8	YES	NO
	PVB6436AS	BACnet MS/TP	VAV	6	4	3	6	YES	YES
	PVL6436AS	LonWorks	VAV	6	4	3	6	YES	YES
	PUL1012S	LonWorks	Unitary	1[b]	0	1	2	NO	NO
	PUB1012S	BACnet MS/TP							
	PUL4024S	LonWorks	Unitary	4[b]	0	2	4	NO	NO
	PUB4024S	BACnet MS/TP							
	PVL4024NS	LonWorks	VAV	4[b]	0	2	4	YES	NO
	PVB4024NS	BACnet MS/TP							
	PVL0000AS	LonWorks	VAV	0	0	0	0	YES	YES
	PVB0000AS	BACnet MS/TP							
	PVL4022AS	LonWorks	VAV	4[b]	0	2	2	YES	YES
	PVB4022AS	BACnet MS/TP							

UI - Universal Input, DI - Digital Input, AO - Analog Output, and DO - Digital Output
[a] BACnet models BTL listed
[b] One Universal Input (UI-1*) is user selectable as a fast digital pulse meter
[c] DO's are 24VAC relays (1.0 Amp running)

Additional I/O Module

	Controller Model	Communication Protocol	Universal Input	Digital Input	Analog Output	Digital Output
	SIO6042	Sylk	6	0	4	2
	SIO4022	Sylk	4	0	2	2
	SIO12000	Sylk	12	0	0	0

Advanced Configurable Field Controllers

	Model	Communication Protocol	Programmable Type	UI	DI	AO	DO	Velocity Pressure Sensor (Microbridge)	Series 60 Floating Actuator
	CUL6438SR-CV1	LonWorks	CVAHU	6	4	3	8*	NO	NO
	CVL4024NS-VAV1	LonWorks	VAV	4	0	2	4	YES	NO
	CVL4022AS-VAV1	LonWorks	VAV	4	0	2	2	YES	YES
	CVB4024NS-VAV1	BACnet MS/TP	VAV	4	0	2	4	YES	NO
	CVB4022AS-VAV1	BACnet MS/TP	VAV	4	0	2	2	YES	YES

* DO's are 24VAC relays (1.0 Amp running)

Lighting Zone Controllers

	Controller Model	Communication Protocol	Programmable Type	Daylight Harvesting Input	Switch/ Sensor Input	Circuit Output	0-10v Dimming Output	Configuration	Lighting Scene Selection
	CLB6438S	BACnet MS/TP	Lighting	1	4	5	3	TR75	TR71/TR75

Configurable Field Controllers

			Inputs						Outputs			
Model	Application	Communication Protocol	Wall Module	Resistive	Voltage	Dry Contact Digital	Bypass Button	Integrated Actuator	Relay	Triac	Analog	LED
W7750A	CVAHU	Lonworks	•	1		2	•		6			1
W7750B	CVAHU	Lonworks	•	4	2	4	•			8		1
W7750C	CVAHU	Lonworks	•	4	2	4	•		5	3	3	1
W7753	Unit Ventilator	Lonworks	•	2	2	4	•			8		1
W7761	Remote Input/Output	Lonworks		4	2	4				8		
W7751H	VAV	Lonworks	•	1	1		•	•		4		1
W7751B/D/F	VAV	Lonworks	•	2	1	3	•			8		1
W7752	FCU	Lonworks	•			1	•		3			1
W7762/3	Hydronic Controller	Lonworks	•			1			1	4		
T7350H	Communicating Thermostat	Lonworks							8			
TB3026B	Communicating Thermostat	BACnet MS/TP			3				6		2	

• = Comes standard

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