

Product Selection Guide

EcoStruxure™ Building
Integrated building management system





Unlock building value, unleash productivity

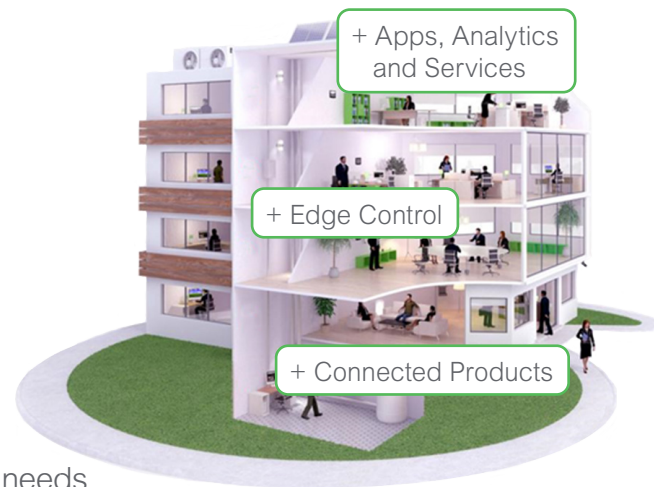
Next generation EcoStruxure™ Building from Schneider Electric is The Open Innovation Platform of Buildings – a collaborative Internet of Things (IoT) solution that features a scalable, secure and global architecture to create future-ready smart buildings.

EcoStruxure Building securely connects hardware, software, and services over an Ethernet IP backbone to:

- Maximize building efficiency
- Optimize comfort and productivity
- Increase building value

EcoXperts™ and other system integrator partners also benefit from many new deployment tools to achieve:

- Up to 30 % increase in engineering efficiency
- Up to 20 % faster commissioning and installation
- 10x more scalability for large and multisite building needs



EcoStruxure Connected Room Solutions deliver buildings of the future

Our latest IP-enabled hardware and software helps create engaging environments with personalized comfort and increased operational and energy efficiency. Harness the power of today's smart buildings and the IoT to:

- enable Building Owners to **future-ready** their building's infrastructure for easier expansions and retrofits
- offer a **personalized experience** to tenants and occupants
- enable System Integrators to **increase project capacity** and cost-competitiveness

EcoStruxure Building delivers Innovation At Every Level

EcoXpert™ Partner Program

One Program. One Network. Endless Opportunities.

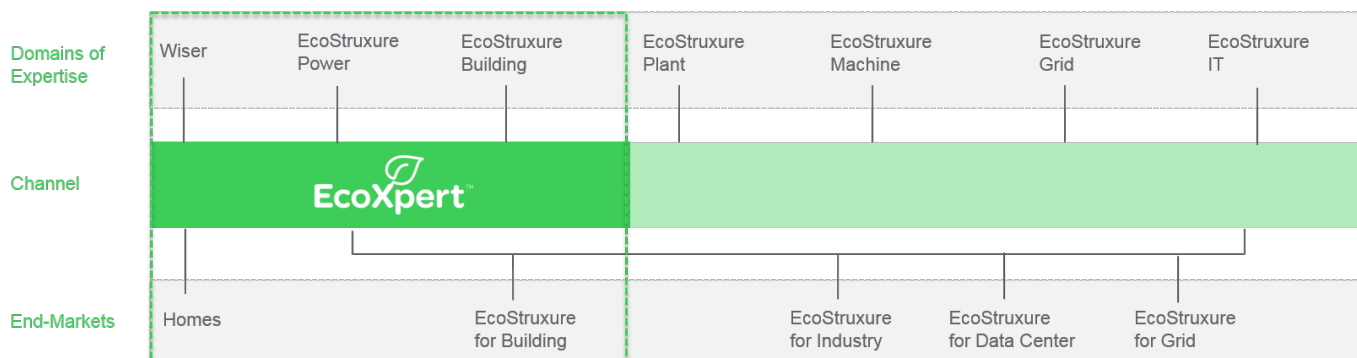
Innovating smarter buildings, more reliable infrastructures, and optimized efficiency.

At Schneider Electric, we constantly look beyond the norm to provide innovative solutions, both in technology and in the way we do business. That's the idea behind the EcoXpert™ Partner Program – an esteemed partnership between Schneider Electric and more than 3,000 of the world's leading technology providers with best-in-class systems integration competencies. Working with partners we trust is as important to us as it is to our customers. Spanning more than 50 countries, EcoXpert companies are certified on our IoT-enabled EcoStruxure™ architecture and platform, enabling them to deliver innovative and sustainable solutions, through integrated technology and digitization, to our shared customers.

Our mission is to connect expertise, ignite growth and enable success for our EcoXpert partner companies, because together we deliver best-in-class services and solutions to our valued customers.

The EcoXpert Program enables our certified partners and valued customers to share in the experience of ensuring that **Life Is On** everywhere, for everyone, and at every moment.

Our EcoXpert partners are the implementation arms of EcoStruxure in Homes and Buildings



Discover more about the EcoXpert Partner Program:
<https://www.schneider-electric.com/ecoxpert>

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Disclaimers

- Not all products in the guide may be available in every country, please check availability with the local Schneider Electric office.
- Some product images are not images of the exact model, but are represented by a "series" image.
- Information within this guide is subject to change without notice.
- Schneider Electric is not responsible for inadvertent typographical errors or omissions.



Flexible, personalized user workspace

EcoStruxure Building Operation provides an attractive, modern interface that can be organised by individual users to suit their needs. These preferences follow users regardless of where they log on. The information each user can access, such as graphics and alarms, can be managed at the job function, or individual level for added security and accountability.

EcoStruxure™ Building Operation

EcoStruxure™ Building Operation software is the edge control heart of the EcoStruxure Building system to monitor, manage and control building systems. With an open integration platform, it securely facilitates the exchange of data from both Schneider Electric and third-party energy, lighting, HVAC, fire safety, security and workplace management systems to create future-ready smart buildings.

Enterprise Central dedicated supervisory server at the top of the EcoStruxure Building system architecture can integrate up to 50 Enterprise Servers, hosting as many as 2,500 Servers (AS-B and Edge Server) to easily scale operations management across the largest buildings, campuses, and multisite real estate portfolios from a single location.

Enterprise Server, the Windows® applications version of the Building Operation Server, is the single point of administration through WorkStation, WebStation, and mobile applications. Enterprise Server collects site-wide data and configures, controls and monitors the entire system. It generates aggregated reports, standardizes critical security policies, normalizes alarm presentation and prioritization, and audits activity across the entire organization.

Edge Server, the software-only version of the hardware based SpaceLogic - AS-P. For speedy deployment in modern containerization environments, this is used when only the software and IP functions such as Modbus IP, BACnet IP/SC etc are needed.

Regulated-industries Compliance Pack provides facility-wide accountability and traceability of environmental and security conditions that can impact the quality and safety in controlled environments. With electronic reports and signatures, Compliance Pack maintains a complete archive of all system events,

consolidated into one reporting structure for effortless search and retrieval. It complies with the FDA's 21 CFR Part 11 and ALCOA principals. (Available with EcoStruxure Building Operation 3.2.)

SpaceLogic Servers at the edge control level of the architecture are automation servers for use in any application. SpaceLogic Servers feature dual Ethernet ports that elevate BACnet field bus communication to the IP level to modernize existing building management systems while keeping in place existing field buses and devices.

WorkStation interface provides users and engineers with access to SpaceLogic Edge Servers and Enterprise Servers to view and manage graphics, alarms, scheduling, trend logs and reports. WorkStation offers a new array of engineering efficiency tools and features to speed administrative functions, including standard applications, mass change/mass update; custom types and libraries, and more.

WebStation user interface provides a truly mobile experience for anytime, anywhere access to commonly used functions of EcoStruxure Building Operation on any platform without the installation of additional software. Developers can engineer once and the workspace automatically adapts the same high-quality user experience for desktop, tablet and mobile devices, saving valuable engineering time and resources.

Smart Connector is an open, extensible and configurable application framework that allows developers to create innovative new capabilities, applications and solutions that extend and enhance EcoStruxure™ Building.

SmartDriver is a custom driver for connection with other intelligent building devices that use non-native protocols (available with Building Operation v1.8.1 and later versions).

EcoStruxure™ Building Operation software version 7.0 offers a simplified and centralized licensing model that allows for one-time, single-step activation of a system license deployed at the top-level server of the system, thus removing the need for license engineering on each server in the system. This provides considerable time savings during the initial commissioning and during any future upgrade of the system.

System capabilities are available in a three-tier model: Essential, Advanced, and Advanced Plus. Select the tier that matches your business needs, and everything will then be bundled into the centralized system license and inherited across all servers in your system architecture, including Enterprise Central, Enterprise Server, and automation servers.

The centralized licensing model combined with the three-tier capability model provides a uniquely easy-to-manage system throughout the lifecycle. Among other benefits, this gives the ability to remotely manage the capability tier as business needs evolve and to facilitate expansion as the system grows with added servers and connected devices.

For more information on the three-tier capability model, see the following table:

EcoStruxure™ Building Operation (continued)

Three-tier Model

EcoStruxure™ Building Operation software version 7.0		Essential	Advanced	Advanced Plus
		Core features to operate your building efficiently	Add meter management, zoning, and more integration	Add more functionality for highly regulated facilities
Essential Features	HVAC Automation and Control	Yes	Yes	Yes
	Lighting and Blinds Automation and Control	Yes	Yes	Yes
	Alarm and Event Management	Yes	Yes	Yes
	Scheduling, Reporting	Yes	Yes	Yes
	Remote Access and Control – WebStation UI	Yes	Yes	Yes
	Integration Capabilities – BACnet, Modbus	Yes	Yes	Yes
	Dashboards	Yes	Yes	Yes
	Customizable Graphics	Yes	Yes	Yes
	Cybersecurity	Yes	Yes	Yes
	Semantic Tagging	Yes	Yes	Yes
Advanced Features	Meter Management*	–	Yes	Yes
	External Log Storage – Timescale, MSSQ	–	Yes	Yes
	Integration Capabilities – MQTT, SNMP, OPC, UA Client, LonWorks, I/NET, NW8k, Infinet, WebServices	–	Yes	Yes
	SAML, 2.0 Authentication	–	Yes	Yes
	Zoning	–	Yes	Yes
Advanced Plus Features	Integration Capabilities – AVEVA Pi	–	–	Yes
	Change Control	–	–	Yes
	PDF Digital Signing	–	–	Yes
Clients	Concurrent Clients (included)	3	Unlimited	Unlimited
Updates	Access to the latest software releases	Yes	Yes	Yes
Engineering tools sold separately	•Editors: Workstation Pro, Function Block Editor, Script Editor, Graphics Editor •Smart Connector and Extensions			

(*) Formerly known as Sustainability pack.

EcoStruxure™ Building Operation (continued)

WorkStation Pro Client

Part Number	Product Name	Description
WorkStation Pro and Editors		
SXWSWORK00002	WorkStation Professional	A full environment for operating and engineering all aspects of EcoStruxure Building Operation
SXWSWEDIT00001	Editors	An environment that provides the ability to edit Graphics, Script programs and Function Block programs.
SXWSWEDIT00002	Building Operation - Graphics Editor	Graphics Editor, 1 concurrent user license. TGML Graphics Editor only (used for adding to existing WorkStation Standard license)

Smart Connector

Part Number	Product Name	Description
Smart Connector Server		
SXWSWSCDL100001	Smart Connector Deployment License	Allows the Smart Connector application to be deployed to a single server
Smart Connector Extensions*		
SXWSWSCEXT0010	Extension - Hilton OnQ	Enables communication between the Hilton OnQ PMS system and EcoStruxure Building Operation
SXWSWSCEXT0020	Extension - Oracle Opera PMS	Enables communication between Oracle Opera (micros) booking system applications and EcoStruxure Building Operation
SXWSWSCEXT0030	Extension - Gladstone Room Booking	Enables communication between Gladstone Room Booking Services and EcoStruxure Building Operation
SXWSWSCEXT0040	Extension - IndigoVision Control Centre	Allows events to be sent from EWS sources to the CCTV Application to generate cause and effect events on the cameras
SXWSWSCEXT0050	Extension - GuestCentrix PMS	Enables communication between GuestCentrix booking system applications and EcoStruxure Building Operation
SXWSWSCEXT0060	Extension - Openweather Map	A Weather Service interface that enables current weather and forecasts to be hosted within EcoStruxure
SXWSWSCEXT0070	Extension - Teltonika SMS Alarms	Connects EcoStruxure with a Teltonika SMS modem and polls EcoStruxure for Alarms to send on offline sites
SXWSWSCEXT0075	Extension - Teltonika SMS SMTP	Alarm relay interface accepting email alarms from EcoStruxure to be sent over either email, SMS or Both
SXWSWSCEXT0080	Extension - HotSOS Housekeeping	Sends Housekeeping information (DND, MUR, Occupancy information) to EcoStruxure Building Operation
SXWSWSCEXT0090	Extension - Microsoft SQL Server	Enables SQL Queries to be executed against a MS SQL Server and results transferred into EcoStruxure Building Operation
SXWSWSCEXT0100	Extension - SNMP	SNMP listener to receive SNMP information from third party SNMP devices
SXWSWSCEXT0110	Extension - EVlink EVCE	Enables integration between EcoStruxure Charging Expert and EcoStruxure Building Operation

(*) These extensions for integration to 3rd party systems and data sources are available for ordering from Schneider Electric. In order to deploy these extensions, a SmartConnector deployment license is required (SXWSWSCDL100001) in addition to the extension license.

Functionality matrix

WorkStation Standard - WorkStation software without Graphics Editor, Script and Function Block programming editors.

WorkStation Pro - WorkStation software including Graphics Editor, Script and Function Block programming editors.

WebStation - Direct access to an Automation Server and/or Enterprise Server using a web browser.

	WorkStation Standard ¹	WorkStation Pro ²	WebStation
Semantics			
Navigate, Search, Filter, View semantic descriptions	Yes	Yes	Yes
Create and edit semantic descriptions	Yes	Yes	–
Dashboards			
View dashboards	–	–	Yes
Create and edit public dashboards	Yes ³	Yes ³	Yes
Create and edit personal dashboards	–	–	Yes
View slide shows	–	–	Yes
Create and edit slide shows	Yes	Yes	Yes
Develop custom dashboard components	–	Yes	–
Zoning			
Graphical management	–	–	Yes ⁴
Textual management	Yes ⁴	Yes ⁴	Yes ⁴
Alarms			
View alarms	Yes	Yes	Yes
Manage alarms	Yes	Yes	Yes
Edit alarms	Yes	Yes	Yes ⁵
Create alarms	Yes	Yes	Yes
Support for flashing and audible alarms	Yes	Yes	Yes
Create and edit alarm filters	Yes	Yes	Yes
View events	Yes	Yes	Yes
BACnet™			
View priority array	Yes	Yes	Yes
Edit priority array	Yes	Yes	Yes
Create devices (includes device discovery)	Yes	Yes	–
Manage BACnet backup and restore	Yes	Yes	–
Graphics			
View graphics	Yes	Yes	Yes
Create and edit graphics	–	Yes	–
View graphics that use client API	–	–	Yes
Create graphics that use client API	–	Yes	–
Trend Logs and Extended Trend Logs			
View trend logs	Yes	Yes	Yes
Edit trend logs	Yes	Yes	Yes
Create trend logs	Yes	Yes	Yes ⁶
View multi trend log lists	Yes	Yes	Yes
Create and edit multi trend log lists	Yes	Yes	Yes
Export multi trend log lists	Yes ⁷	Yes ⁷	Yes ⁸
View extended trend logs	Yes	Yes	Yes
Edit extended trend logs	Yes	Yes	Yes
Create extended trend logs	Yes	Yes	–
LonWorks			
Create devices (includes device discovery)	Yes	Yes	–
Manage devices	Yes	Yes	–
View Network Variables (NVs) and Configuration Parameters (CPs)	Yes	Yes	Yes
Edit NVs and CPs	Yes	Yes	Yes
Modbus®			
Create devices	Yes	Yes	–
Manage devices	Yes	Yes	–

1. WorkStation software without Graphics Editor, Script Editor, and Function Block Editor.
2. WorkStation software including Graphics Editor, Script Editor, and Function Block Editor.
3. Non-visual editing only.
4. Requires add-on license
5. Can edit alarm ranges, text, delay times, shunt variables, assignments, and deadband.
6. Cannot create BACnet trend logs or manual trend logs.
7. Export to XML, CSV, and XLSX supported.
8. Export to XML and XLSX supported.

Functionality matrix (continued)

	WorkStation Standard ⁹	WorkStation Pro ¹⁰	WebStation
View values	Yes	Yes	Yes
Edit values	Yes	Yes	Yes
Point Values			
View values	Yes	Yes	Yes
Edit values (for example, change a setpoint)	Yes	Yes	Yes
Programs			
Create and edit customised programs	–	Yes	–
View Function Block program in Graphics Viewer	Yes	Yes	Yes
Notification Reports			
Create and edit reports	Yes	Yes	–
Schedules and Calendars			
View schedules and calendars	Yes	Yes	Yes
Edit schedules and calendars	Yes	Yes	Yes ¹¹
Create schedules and calendars	Yes	Yes	–
Create multi schedule views	Yes	Yes	Yes
Edit and manage schedules in multi schedule view	–	–	Yes
Users and User Groups			
Create and edit users	Yes	Yes	Yes ¹²
Create and edit user group membership	Yes	Yes	Yes ¹²
Create and edit user groups	Yes	Yes	–
Create and edit permissions	Yes	Yes	–
User Experience			
View customized workspaces	Yes	Yes	Yes
View customized navigation panes	Yes	Yes	Yes
Log on as Windows Active Directory user	Yes	Yes	Yes
Log on using SAML 2.0 authentication	–	–	Yes
Automatic guest account log on	Yes	Yes	Yes
Password management	Yes	Yes	Yes
View saved searches	Yes	Yes	Yes
Create saved searches	Yes	Yes	–
Edit saved searches	Yes	Yes	Yes
Simple and advanced searches	Yes	Yes	Yes
Kiosk mode	–	–	Yes
Bookmark views (web page URLs)	–	–	Yes
Bookmark favorite pages	–	–	Yes
Support for localization	Yes	Yes	Yes
Support for translation	Yes	Yes ¹³	Yes
Ability to change language on the client side	Yes	Yes	Yes
Use personal layout and filter favorites	Yes	Yes	Yes
Create and edit personal layout and filter favorites	Yes	Yes	Yes
Support for Dark Mode	–	–	Yes
Support custom accent color	–	–	Yes
Other			
Configure and edit I/O points, field buses, and communication ports	Yes	Yes	–
Create and edit logical structure	Yes	Yes	–
Create and edit views, panels, workspaces, and navigation panes	Yes	Yes	–
View and configure Watch pane	Yes	Yes	Yes
Administer backup and restore of database	Yes	Yes	Yes ¹⁴
Manage archiving	Yes	Yes	–
View and edit text documents	Yes	Yes	Yes

9. WorkStation software without Graphics Editor, Script Editor, and Function Block Editor.

10. WorkStation software including Graphics Editor, Script Editor, and Function Block Editor.

11. Can edit only existing schedules and calendars.

12. Cannot assign permissions.

13. Excluding Graphics Editor, Script Editor, and Function Block Editor.

14. Restore using local backup only. Upload of backup files is not supported.

Automation Server Family of Modules

SpaceLogic Server – AS-P

The SpaceLogic Server – AS-P is an EcoStruxure server device at the Edge Level of the architecture. With superior performance, the AS-P simplifies system integration and modernization, and is the preferred choice for large, complex enterprise applications.



AS-P

The AS-P and AS-B feature dual Ethernet ports to elevate BACnet field bus communication to the IP level. Modernize the BMS while keeping in place legacy field buses and devices to future-ready current systems and move buildings into the 21st century!

	AS-P	AS-P-NL	AS-P-SMK
Part Number	SXWASPXXX10001	SXWASPXXX10002	SWXASPXXX1S001
Communication			
Communication Interface	LonWorks FTT-10, BACnet/IP, BACnet /SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server), Modbus serial (Master+Slave), EWS, Generic WebService consume	BACnet/IP, BACnet /SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server), Modbus serial (Master+Slave), EWS, Generic WebService consume	LonWorks FTT-10, BACnet/IP, BBACnet /SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server), Modbus serial (Master+Slave), EWS, Generic WebService consume
Software			
Programability	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
Physical			
Dimensions	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
Weight (including baseplate)	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)
Power			
Power	24 V DC	24 V DC	24 V DC
Consumption	10 W	10 W	10 W
Environmental			
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
CPU Internals			
CPU	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core
Memory	4 GB	4 GB	4 GB
Battery	No	No	No
Real time clock	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor
External Features			
Enclosure rating	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	N/A	N/A	N/A
Manual Override of Outputs	N/A	N/A	N/A
Digital Status LEDs	Yes	Yes	Yes
Service Port	Yes	Yes	Yes
Terminals			
I/O Expansion	Yes - Up to 29 modules/464 max I/O	Yes - Up to 29 modules/464 max I/O	Yes - Up to 29 modules/464 max I/O
External Enclosure/Mounting			
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications			
BTL	Yes	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
Industry Canda (IC)	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
US Patent	8 207 842, 8 271 102, 7 994 438	8 207 842, 8 271 102, 7 994 438	8 207 842, 8 271 102, 7 994 438
UL-864	No	No	Yes

*Note: EcoStruxure solution installations or BMS transitions requiring UL-864 certifications must use the SpaceLogic Server AS-P-SMK (listed above) or AS-P-NLS-SMK (listed below).

Refer to BACnet International's site, BTL Listing of Tested Product page for up-to-date details on BTL certifications for product version.

Automation Server Family of Modules

SpaceLogic Server – AS-P (continued)



AS-P

	AS-P-S Secure Boot	AS-P-NLS Secure Boot	AS-P-NLS-SMK Secure Boot
Part Number	SXWASPSBX10001	SXWASPSBX10002	SXWASPSBX1S002
Other Models	AS-P-SBA		
Part Number (Buy American Act Compliant)	SXWASPSBX10A01 SXWASPSBX10A01*		
Communication			
Communication Interface	LonWorks FTT-10, BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server)*, Modbus serial (Master+Slave)*, EWS, Generic WebService consume * separate Modbus license required	BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server)*, Modbus serial (Master+Slave)*, EWS, Generic WebService consume * separate Modbus license required	BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server)*, Modbus serial (Master+Slave)*, EWS, Generic WebService consume * separate Modbus license required
Software			
Programability	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
Physical			
Dimensions	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
Weight (including baseplate)	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)
Power			
Power	24 V DC	24 V DC	24 V DC
Consumption	10 W	10 W	10 W
Environmental			
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
CPU Internals			
CPU	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core
Memory	4 GB	4 GB	4 GB
Battery	No	No	No
Real time clock	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor
External Features			
Enclosure rating	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	N/A	N/A	N/A
Manual Override of Outputs	N/A	N/A	N/A
Digital Status LEDs	Yes	Yes	Yes
Service Port	Yes	Yes	Yes
Terminals			
I/O Expansion	Yes - Up to 29 modules/464 max I/O	Yes - Up to 29 modules/464 max I/O	Yes - Up to 29 modules/464 max I/O
External Enclosure/ Mounting			
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications			
BTL	Yes	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
Industry Canda (IC)	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
US Patent	8 207 842, 8 271 102, 7 994 438	8 207 842, 8 271 102, 7 994 438	8 207 842, 8 271 102, 7 994 438
UL-864	No	No	Yes

*Note: EcoStruxure solution installations or BMS transitions requiring UL-864 certifications must use the SpaceLogic server AS-P-SMK or AS-P-NLS-SMK (listed above).

SXWASPSBX10A01 is a Buy American Act (BAA) compliant SpaceLogic AS-P-SBA Automation Server bundle, which includes SpaceLogic AS-P-SBA server, Power Supply PS-24 V-BAA for AS-P-SBA, Terminal Base TB-ASP-W1-BAA for AS-P-SBA, and Terminal Base TB-PS-W1-BAA for PS-24 V-BAA.

AS-P and AS-B conform to the BACnet® Building Controller (B-BC) profile at protocol revision 12 by the BACnet Testing Laboratories (BTL®). StruxureWare™ Building Operation v1.9 is the certified firmware revision.

Automation Server Family of Modules

Power Supply and Terminal Bases

The PS-24 V is a power supply module that accommodates 24 V AC or 24 V DC input power. Each power supply module delivers reliable and consistent output power of 24 V DC to the backplane. It can deliver power to the AS-P and a number of I/O modules calculated from the Power Budget Table (located below). If more I/O modules are needed, another power supply can be added to the bus. The power supplies are isolated from each other while also providing communication pass-through.



PS-24 V
Automation Server Power Supply

Part Number	Product Name	Description
SXWPS24 VX10001	PS-24 V	Power Supply 24 V AC or 21-30 V DC
SXWPS24 VX10A01*	PS-24 V-BAA	Power Supply 24 V AC or 21-30 V DC (Buy American Act Compliant)
SXWTBPSW110001	TB-PS-W1	Terminal Base Power Supply (Terminal Base required for each power supply)
SXWTBPSW110002	TB-PS-W1-2	Terminal Base Power Supply (Terminal Base required for each power supply)
SXWTBPSW110A01*	TB-PS-W1-BAA	Terminal Base Power Supply (Terminal Base required for each PS-24 V-BAA power supply) (Buy American Act Compliant)
SXWTBASW110002	TB-ASP-W1	Terminal Base AS-P (Terminal base required for each AS-P)
SXWTBASW110A02*	TB-ASP-W1-BAA	Terminal Base AS-P-SBA (Terminal Base required for each AS-P-SBA) (Buy American Act Compliant)
SXWTBIOW110001	TB-IO-W1	Terminal Base I/O (Terminal Base required for each I/O module)
SXWTBIOW110002	TB-IO-W1-2	Terminal Base I/O (Terminal Base required for each I/O module)



I/O Module
Terminal Base and Module Detail

***Note:** An appropriate terminal base is required for each module, including the AS-P, Power Supply, and I/O Modules. See the above table for the correct part numbers.

PS-24 V-BAA, TB-PS-W1-BAA and TB-ASP-W1-BAA can only be purchased as a bundle with the SpaceLogic AS-P-SBA Automation Server with part number SXWASPSBxB10A01.

Power Supply Selection Table

Power Requirements		
SpaceLogic Edge Server – AS-P	24 V DC / 10 W	
SpaceLogic Edge Server – AS-B	24 V DC / 10 W	24 V AC / 15 VA
Power Requirements - Input only I/O		24 V DC Power
DI-16	1.6 W	
RTD-DI-16	1.6 W	
UI-16	1.8 W	
Power Requirements - Output only I/O		24 V DC Power
DO-FA-12	1.8 W	
DO-FA-12-H	1.8 W	
DO-FC-8	2.2 W	
DO-FC-8-H	2.2 W	
AO-8	4.9 W	
AO-8-H	4.9 W	
AO-V-8	0.7 W	
AO-V-8-H	0.7 W	
Power Requirements - Mixed I/O		24 V DC Power
UI-8/DO-FC-4-2	1.9 W	
UI-8/DO-FC-4-H-2	1.9 W	
UI-8/AO-4-2	3.2 W	
UI-8/AO-4-H-2	3.2 W	
UI-8/AO-V-4-2	1.0 W	
UI-8/AO-V-4-H-2	1.0 W	

Please refer to the appropriate Data Sheets for more information.

Automation Server Family of Modules

I/O Modules

The Automation Server includes support for a broad spectrum of I/O modules. The variety of modules available ensures the right combination of points for any project, which keeps costs down for our customers. Some modules are available with Hand/Off/Auto (HOA) switches to provide override control of the outputs.



UI-16
16 Channel Universal Input



DI-16
16 Channel Digital Input



AO-8, AO-8-H
8 Channel Analog Output

	UI-16	DI-16	AO-8, AO-8-H
Part Number	SXWUI16XX10001	SXWDI16XX10001	SXWAO8XXX10001, SXWAO8HXX10001
Physical			
Dimensions	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
Weight (including baseplate)	0.269 kg (0.59 lb.)	0.255 kg (0.56 lb.)	0.279 kg (0.62 lb.)
Power			
Power	24 V DC	24 V DC	24 V DC
Consumption	1.8 W	1.6 W	0.7 W
Environmental			
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
External Features			
Enclosure rating	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	No	No	Available on -H model
Digital Status LEDs	Yes	Yes	No
Service Port	No	No	No
Terminals			
I/O Terminals	Terminal base	Terminal base	Terminal base
External Enclosure/Mounting			
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications			
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
Industry Canada (IC)	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	No	No	No
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
US Patent	7 994 438	7 994 438	7 994 438

Automation Server Family of Modules

I/O Modules (continued)



AO-V-8, AO-V-8-H
8 Channel Analog Output
Voltage Points



DO-FA-12, DO-FA-12-H
12 Channel Digital Output,
Form-A



DO-FC-8, DO-FC-8-H
8 Channel Digital Output,
Form-C

	AO-8-V, AO-8-V-H	DO-FA-12, DO-FA-12-H	DO-FC-8, DO-FC-8-H
Part Number	SXWAOV8XX10001, SXWAOV8HX10001	SXWDOA12X10001, SXWDOA12H10001	SXWDOC8XX10001, SXWDOC8HX10001
Physical			
Dimensions	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
Weight (including baseplate)	0.279 kg (0.62 lb.)	0.317 kg (0.70 lb.)	0.332 kg (0.73 lb.)
Power			
Power	24 V DC	24 V DC	24 V DC
Consumption	0.7 W	1.8 W	2.2 W
Environmental			
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
External Features			
Enclosure rating	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	Available on -H model	Available on -H model	Available on -H model
Digital Status LEDs	No	Yes	Yes
Service Port	No	No	No
Terminals			
I/O Terminals	Terminal base	Terminal base	Terminal base
External Enclosure/Mounting			
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications			
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
Industry Canada (IC)	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	No	No	Yes
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
US Patent	2002/96/EC	2002/96/EC	2002/96/EC

Automation Server Family of Modules

I/O Modules (continued)



UI-8/AO-4-2, UI-8/AO-4-H-2
8 Channel Universal Inputs
with 4 Analog Outputs
(UI-8/AO-4-H-2 shown)



UI-8/AO-V-4-2, UI-8/AO-V-4-H-2
8 Channel Universal Inputs
with 4 Channel Voltage Outputs
(UI-8/AO-V-4-H-2 shown)



UI-8/DO-FC-4-2, UI-8/DO-FC-4-H-2
8 Channel Universal Inputs
with 4 Analog Outputs
(UI-8/DO-FC-4-H-2 shown)

	UI-8/AO-4-2, UI-8/AO-4-H-2	UI-8/AO-V-4-2, UI-8/AO-V-4-H-2	UI-8/DO-FC-4-2, UI-8/DO-FC-4-H-2
Part Number	SXWUI8A4X10002, SXWUI8A4H10002	SXWUI8V4X10002, SXWUI8V4H10002	SXWUI8D4X10002, SXWUI8D4H10002
Physical			
Dimensions	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
Weight (including baseplate)	0.276 kg (0.61 lb.)	0.276 kg (0.61 lb.)	0.304 kg (0.67 lb.)
Power			
Power	24 V DC	24 V DC	24 V DC
Consumption	3.2 W	1.0 W	1.9 W
Environmental			
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
External Features			
Enclosure rating	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5 VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	Available on -H model	Available on -H model	Available on -H model
Digital Status LEDs	Yes	Yes	Yes
Service Port	No	No	No
Terminals			
I/O Terminals	Terminal base	Terminal base	Terminal base
External Enclosure/Mounting			
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications			
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
Industry Canada (IC)	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
US Patent	7 994 438	7 994 438	7 994 438

Automation Server Family of Modules

I/O Modules (continued)



RTD-DI-16
16 Channel Inputs (RTD and
Digital) Combination Module

RTD-DI-16	
Part Number	SXWRTD16X10001
Physical	
Dimensions	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
Weight (including baseplate)	0.269 kg (0.59 lb.)
Power	
Power	24 V DC
Consumption	1.6 W
Environmental	
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
External Features	
Enclosure rating	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	No
Digital Status LEDs	Yes
Service Port	No
Terminals	
I/O Terminals	Terminal base
External Enclosure/Mounting	
Mounting	DIN-rail or wall mount
Certifications	
FCC	47 CFR § 15, Class B (Emission)
Industry Canada (IC)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)
C-UL US	Yes
CE - EU	Yes
WEEE - Directive of the European Union	Yes
RoHS Directive	Yes
RCM	Yes
US Patent	7 994 438

Automation Server Family of Modules

I/O Modules – Inputs and Outputs

	UI-16	DI-16	AO-8, AO-8-H	AO-8-V, AO-8-V-H	DO-FA-12, DO-FA-12-H	DO-FC-8, DO-FC-8-H
Part Number	SXWUI16XX10001	SXWDI16XX10001	SXWAO8XXX10001, SXWAO8HXX10001	SXWAOV8XX10001, SXWAOV8HX10001	SXWDOA12X10001, SXWDOA12H10001	SXWDOC8XX10001, SXWDOC8HX10001
Universal Inputs	16					
Digital Contact	•					
Digital Counter - Low Speed						
Digital Counter - Medium Speed	•					
Digital Counter - High Speed						
Digital Supervised	•					
Analog Voltage - 0-1 V	•					
Analog Voltage - 0-5 V	•					
Analog Voltage - 0-10 V	•					
Analog Voltage - 2-10 V	•					
Analog Current - 0-20 mA	•					
Analog Current - 4-20 mA	•					
Analog Resistance	•					
Analog Thermistor - 10 k	•					
Analog Thermistor - 1.8 k	•					
Analog Thermistor - 1 k	•					
Analog Thermistor - 20 k	•					
Analog Thermistor - 2.2 k	•					
Analog RTD - Pt100						
Analog RTD - Pt1000						
Analog RTD - Ni1000						
Analog RTD - LG Ni1000						
Digital Inputs		16				
Digital Contact		•				
Counter - Low Speed						
Counter - Medium Speed		•				
Counter - High Speed						
Digital Outputs					12	8
Form A, SPST					•	
Form C, SPDT						•
Triac						
Analog Outputs			8	8		
Voltage - 0-10 V			•	•		
Current - 0-20 mA			•			

Automation Server Family of Modules

I/O Modules – Inputs and Outputs (continued)

	UI-8/AO-4-2, UI-8/AO-4-H-2	UI-8/AO-V-4-2, UI-8/AO-V-4-H-2	UI-8/DO-FC-4-2, UI-8/DO-FC-4-H-2	RTD-DI-16
Part Number	SXWUI8A4X10002, SXWUI8A4H10002	SXWUI8V4X10002, SXWUI8V4H10002	SXWUI8D4X10002, SXWUI8D4H10002	SXWRTD16X10001
Universal Inputs	8	8	8	16*
Digital Contact	•	•	•	•
Digital Counter - Low Speed				
Digital Counter - Medium Speed	•	•	•	•
Digital Counter - High Speed				
Digital Supervised	•	•	•	
Analog Voltage - 0-1 V	•	•	•	
Analog Voltage - 0-5 V	•	•	•	
Analog Voltage - 0-10 V	•	•	•	
Analog Voltage - 2-10 V	•	•	•	
Analog Current - 0-20 mA	•	•	•	
Analog Current - 4-20 mA	•	•	•	
Analog Resistance	•	•	•	•
Analog Thermistor - 10 k	•	•	•	
Analog Thermistor - 1.8 k	•	•	•	
Analog Thermistor - 1 k	•	•	•	
Analog Thermistor - 20 k	•	•	•	
Analog Thermistor - 2.2 k	•	•	•	
Analog RTD - Pt100				•
Analog RTD - Pt1000				•
Analog RTD - Ni1000				•
Analog RTD - LG Ni1000				•
Digital Inputs				
Digital Contact				
Counter - Low Speed				
Counter - Medium Speed				
Counter - High Speed				
Digital Outputs			4	
Form A, SPST				
Form C, SPDT			•	
Triac				
Analog Outputs	4	4		
Voltage - 0-10 V	•	•		
Current - 0-20 mA	•			

Automation Server Family of Modules

SpaceLogic Server – AS-B

The SpaceLogic Server – AS-B is the most compact, all-in-one BMS. It features flexible on-board universal I/O configurations and built-in power supply. An EcoStruxure server device, its powerful, compact design is ideal for small-to-medium main plant control applications. It offers lower total installation costs.



AS-B

Note: Screw terminal blocks for the AS-B are now delivered with the controller. Spare is available. See accessories section on page E16.

	AS-B-24(H)	AS-B-36(H)
Part Number	SXWASB24(X,H)10001	SXWASB36(X,H)10001
Other models	AS-B-24(H)P	AS-B-36(H)P
Part Numbers	SXWASB24PX10001, SXWASB24HP10001 (hardware only, no software included)	SXWASB36PX10001, SXWASB36HP10001 (hardware only, no software included)
Communication		
Communication Interface	BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server), Modbus serial (Master+Slave), EWS, Generic WebService consume	BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client+Server), Modbus serial (Master+Slave), EWS, Generic WebService consume
Software		
Programmability	Function Block/Script Programmable	Function Block/Script Programmable
Physical		
Dimensions	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)
Weight (including baseplate)	0.504 kg (1.111 lb)	0.504 kg (1.111 lb)
Power		
Power	24 V AC/DC	24 V AC/DC
Consumption	10 W	10 W
Environmental		
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
CPU Internals		
CPU	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core
Memory	4 GB	4 GB
Battery	No	No
Real time clock	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor
External Features		
Enclosure rating	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	N/A	N/A
Manual Override of Outputs	Yes - On 'H' model	Yes - On 'H' model
Digital Status LEDs	Yes	Yes
Service Port	Yes	Yes
Terminals		
I/O Expansion	No	No
External Enclosure/Mounting		
Mounting	DIN-rail or wall mount	DIN-rail or wall mount
Certifications		
BTL	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
Industry Canada (IC)	ICES-003 (Emission)	ICES-003 (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes
CE - EU	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes
RoHS Directive	Yes	Yes
RCM	Yes	Yes
US Patent	8 207 842, 8 271 102, 7 994 438	8 207 842, 8 271 102, 7 994 438

*Note: EcoStruxure Building installations or BMS transitions requiring UL-864 certifications must use the SpaceLogic Server AS-P-SMK (see page E6).

Refer to BACnet International's site, BTL Listing of Tested Product page for up-to-date details on BTL certifications for product version.

Automation Server Family of Modules

SpaceLogic Server – AS-B – Inputs and Outputs

	AS-B-24(H) and AS-B-24(H)P	AS-B-36(H) and AS-B-36(H)P
Part Number	SXWASB24(X,H)10001, SXWASB24PX10001, SXWASB24HP10001	SXWASB36(X,H)10001, SXWASB36PX10001, SXWASB36HP10001
Universal Inputs/Outputs	12-Ua 4-Ub	20-Ua 8-Ub
Digital Contact	Ua/Ub	Ua/Ub
Digital Counter - Low Speed		
Digital Counter - Medium Speed	•	•
Digital Counter - High Speed		
Digital Supervised	Ua/Ub	Ua/Ub
Analog Voltage - 0-1 V	Ua/Ub	Ua/Ub
Analog Voltage - 0-5 V	Ua/Ub	Ua/Ub
Analog Voltage - 0-10 V	Ua/Ub	Ua/Ub
Analog Voltage - 2-10 V	Ua/Ub	Ua/Ub
Analog Current - 0-20 mA	Ub	Ub
Analog Current - 4-20 mA	Ub	Ub
Analog Resistance	Ua/Ub	Ua/Ub
Analog Thermistor - 10 k	Ua/Ub	Ua/Ub
Analog Thermistor - 1.8 k	Ua/Ub	Ua/Ub
Analog Thermistor - 1 k	Ua/Ub	Ua/Ub
Analog Thermistor - 20 k	Ua/Ub	Ua/Ub
Analog Thermistor - 2.2 k	Ua/Ub	Ua/Ub
Analog RTD - Pt100		
Analog RTD - Pt1000	Ua/Ub	Ua/Ub
Analog RTD - Ni1000	Ua/Ub	Ua/Ub
Analog RTD - LG Ni1000	Ua/Ub	Ua/Ub
Digital Inputs	4	
Digital Contact	•	
Counter - Low Speed		
Counter - Medium Speed		
Counter - High Speed		
Digital Outputs	4	8
Form A, SPST	•	4
Form C, SPDT		
PWM	•	•
Triac		4

Key:
Ua – Universal Type A
Ub – Universal Type B
I – Input
O – Output

Automation Server Family of Modules

Accessories

The following accessories are available for the Automation Server Family of modules.



Part Number	Product Name	Description
SXWDINEND10001	DIN-RAIL-CLIP-25	DIN-Rail End Clip, package of 25 pieces
SXWTERLBL10011	PRINTOUT-A4-W1	A4-Size blank printable adhesive label sheets for terminals (100 Sheets, 18 labels per Sheet)
SXWTERLBL10012	PRINTOUT-LTR-W1	Letter-size blank printable adhesive label sheets for terminals (100 Sheets, 16 labels per Sheet)
SXWSCABLE10002	S-CABLE-L-1.5M	S-Cable extension cord for Automation Server I/O bus, L shaped connectors, 1.5 m
SXWSCABLE10003	S-CABLE-L-0.75M	S-Cable extension cable for Automation Server I/O bus, L-shaped connectors, 0.75 m
SXWASBINS10001	AS-B installer kit	Dummy unit, no electronics, just terminals. Supports easy wiring in the panel shop
SXWASBCON10001	AS-B Connector Kit	Spare screw terminals for all AS-B models
SXWUSBADP10001	USB-485-INET Interface Adapter	I/NET Adapter: Separate hardware component, added to a SpaceLogic Controller - AS-P or Automation Server

SpaceLogic Server add-on options

Add-on option part numbers are required to activate certain features. SpaceLogic Servers require an embedded license to activate features. Valid for SpaceLogic AS-P, AS-B and the containerized Building Operation Edge Server. An embedded license is not interchangeable with a Windows license.

Part Number	Product Name	Description
SXWSWSNMPX0001	EBO SNMP Alarming - SpaceLogic	Alarm notifications via SNMP – SpaceLogic Server
SXWSWEWSXX0001	EBO WS EWS Consume - SpaceLogic	EcoStruxure Web Services (run-time) option – Consume only – SpaceLogic Server
SXWSWEWSXX0002	EBO WS EWS C+Serve - SpaceLogic	EcoStruxure Web Services (run-time) option – Serve and Consume – SpaceLogic Server
SXWSWEWSXX0003	EBO WS EWS C+S+Hist - SpaceLogic	EcoStruxure Web Services (run-time) option – Serve and Consume, plus Historical trend log data – SpaceLogic Server
SXWSWGWSXX0001	EBO WS Gen Consume - SpaceLogic	Web Services (Generic Consume) option – SpaceLogic Server
SXWSWDASHX0001	Personal Dashboards - SpaceLogic	Built-in dashboard functionality which enables users to create their own pages to get an overview of how buildings perform – SpaceLogic Server
SXWSWASDBXS001	Timescale DB Option - SpaceLogic	Integration of an open, external SQL database for long term data and audit trail storage – SpaceLogic Server
SXWSWMQTTXRW01	MQTT - Read/Write - SpaceLogic	SpaceLogic Server publishes data to MQTT broker
SXWSWASSAML001	SAML Authentication - SpaceLogic server	Enables SAML 2.0 authentication on one SpaceLogic Edge Server

* An embedded client license that will be activated on a SpaceLogic Server will always allow for the operation of a WebStation only. In order for WorkStation to operate it must have access to a Windows license on a PC that is running a Windows OS. Since WorkStation software requires a Windows operating system, then the license might be installed on the same PC or it might make use of a demo license.

SpaceLogic User Interfaces (HMI)

SpaceLogic Advanced Display

Portable or permanent-mount tablet HMI (10.1-inch) specifically configured to interact with EcoStruxure Building user interfaces.



Part Number	Product Name
SXWADBUND10013	Advanced Display Refresh 10.1 inch Bundle Refresh
SXWADWIFI10002	Advanced Display V3 Wi-Fi Module
SXWADUSBC10001	USB-C cable straight 2.4 m (7.87 ft)- only for use with Wi-Fi module
SXWADUSBC10002	USB-C cable, Y-shaped 1.35 m (4.43 ft)
SXWADUSBC10003	USB-C cable, Y-shaped 2.85 m (9.35 ft)
SXWADUSBC10012	USB-C cable, Y-shaped isolated 1.35 m (4.43 ft)
SXWADUSBC10013	USB-C cable, Y-shaped isolated 2.85 m (9.35 ft)

SpaceLogic Operator Display

This 7-inch panel mounted touch screen interface for SpaceLogic controllers is specifically designed for local operation and monitoring of building controllers in equipment rooms.



Part Number	Product Name
HMIST6400SL	Operator Display 7-inch bundle (includes HMI device, installation gasket, installation fasteners, and power supply connectors)
HMIZS53W1	Installation gasket (1 piece)
HMIZSFIXTF1	Installation fasteners (2 pieces/set)
XBTZ3004	Power supply connector for small panels (10 pieces/set)

Wireless Connectivity

USB-based wireless adapter that enables SpaceLogic Wireless Connectivity - Advanced for SpaceLogic Servers and SpaceLogic Room Controllers.



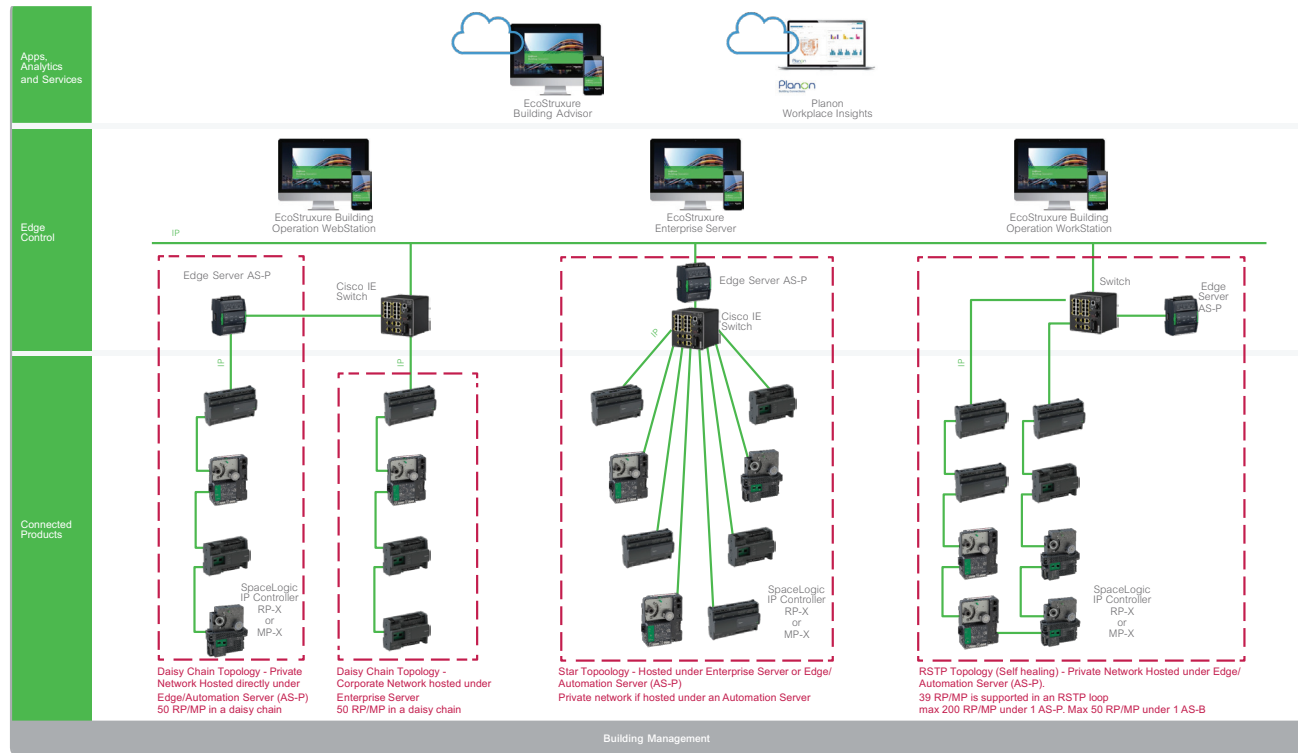
Part Number	Product Name	Description
SXWZBAUSB10001	ZB-A-USB	SpaceLogic Wireless Adapter - Advanced for the AS-P, AS-B and RP Series controllers
SXWUSBCRA10001	USB-CRA	USB adapter plastic mounting cradle and wall plate
SXWUSBCBL10001	USB-CBL-1	USB Extension Cable of Length 1 m (3 ft)
SXWUSBCBL10002	USB-CBL-3	Plenum rated USB Extension Cable of Length 3 m (10 ft)

[List of supported wireless devices](#)

Reference Architecture

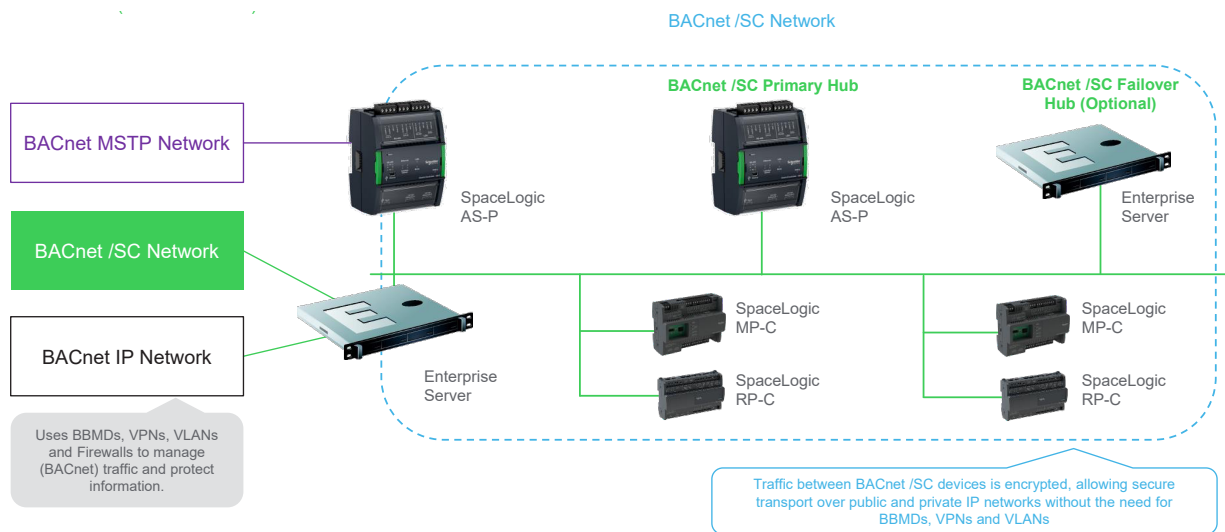
EcoStructure™ Building Operation Powered by EcoStructure™ Building Operation

End-to-end IP Architecture Options



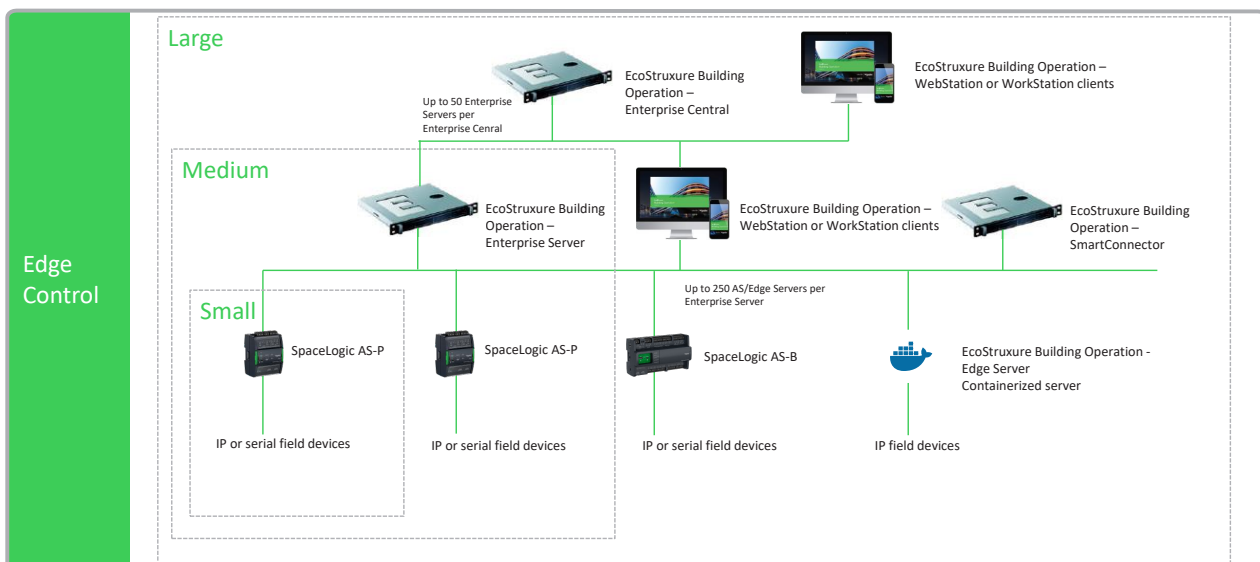
Reference Architecture

EcoStructure™ Building Operation BACnet/SC (Secure Connect) Architecture



EBO Servers (Enterprise Server, AS-P, AS-B) support BACnet /SC Node, Hub and Router functions. Space Logic MP and RP Controllers support BACnet /SC Node function. BACnet /SC direct connections are supported by EBO servers; this function is not supported by MP and RP controllers. Refer to Architectural Guidelines for information on BACnet /SC hub capacities and other design guidance.

EcoStructure™ Building Operation – Edge Control Layer Powered by EcoStructure™ Building Operation





SpaceLogic Touchscreen Room Controller

The SpaceLogic Touchscreen Room Controller combines the simplicity of a thermostat with the advanced functionality of a direct digital control system, offering a practical solution that balances ease of use with robust capabilities. The platform delivers significant energy savings and precise temperature control. It enhances user experience with its unparalleled customization options and modern aesthetics. The Touchscreen Room Controller boasts a modernized design, intuitive configuration and commissioning, enhanced capabilities for high-end applications, and robust integration with various wired and wireless protocols. The Touchscreen Room Controller is designed for new construction and retrofit projects utilizing its wireless capabilities.

SpaceLogic Touchscreen Room Controllers

SpaceLogic Touchscreen Room Controllers – TRC6500 and TRC3500

TRC6500

The SpaceLogic Touchscreen Room Controller TRC6500 is a rooftop, heat pump, and indoor air quality Room Controller, suitable for commercial and high-end hospitality markets. It is an application-specific and programmable Room Controller with different color and screen theme options.

TRC3500

The SpaceLogic Touchscreen Room Controller TRC3500 is a low-voltage fan coil unit and zone control Room Controller, suitable for commercial and high-end hospitality markets. It is an application-specific and programmable Room Controller with different color and screen theme options.

With Touchscreen Room Controllers, display custom standby images on the screen to reinforce your brand and provide a more enjoyable occupant experience.







Part Number	BACnet/ MSTP or Modbus RTU	RF (Wi-Fi + Zigbee)	RH sensor	Passive IR sensor	Proximity sensor	LED light	HVAC Application	Color	Region
SXWTRC6500B00X	•		•	•			RTU, HP and IAQ	Black	Global
SXWTRC6500B11X	•		•	•			RTU, HP and IAQ	White	Global
SXWTRC6500B00W	•	•	•	•	•	•	RTU, HP and IAQ	Black	Global (except NAM)
SXWTRC6500B11W	•	•	•	•	•	•	RTU, HP and IAQ	White	Global (except NAM)
SXWTRC6500B00WA	•	•	•	•	•	•	RTU, HP and IAQ	Black	North America
SXWTRC6500B11WA	•	•	•	•	•	•	RTU, HP and IAQ	White	North America
SXWTRC3500B00X	•		•	•			FCU	Black	Global
SXWTRC3500B11X	•		•	•			FCU	White	Global
SXWTRC3500B00W	•	•	•	•	•	•	FCU	Black	Global (except NAM)
SXWTRC3500B11W	•	•	•	•	•	•	FCU	White	Global (except NAM)
SXWTRC3500B00WA	•	•	•	•	•	•	FCU	Black	North America
SXWTRC3500B11WA	•	•	•	•	•	•	FCU	White	North America

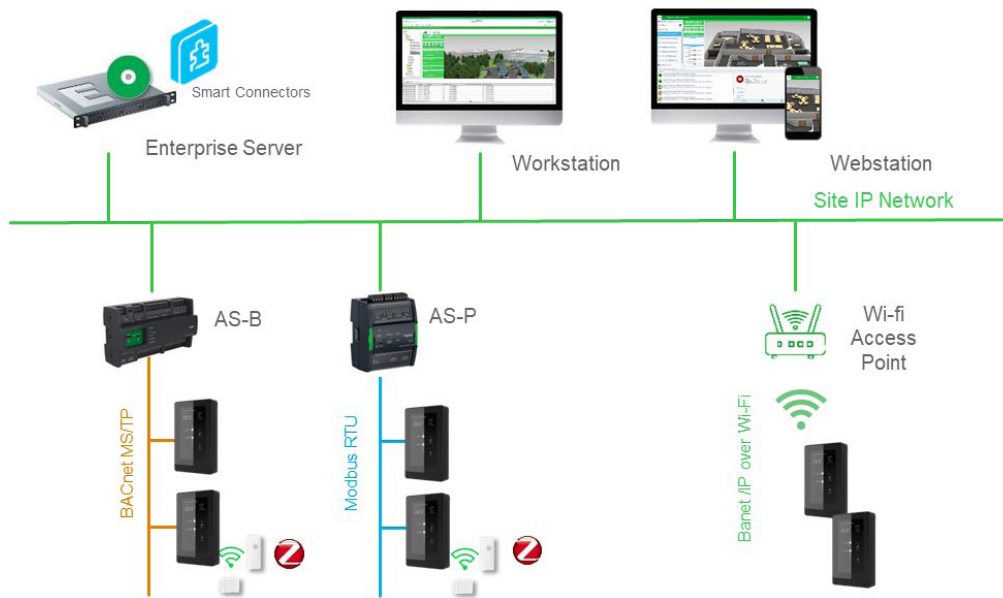
*Note: SpaceLogic Touchscreen Room Controller is natively supported in EcoStruxure Building Operation 2024 for more efficient commissioning and operation.

Supported Products

The SpaceLogic Touchscreen Room Controllers supports the below list of wireless zigbee sensors:

Sensor	Part Number	Description
	SED-CO2-G-5045	CO2, Temperature and Humidity Sensor
	SED-TRH-G-5045	Temperature and Humidity Sensor
	SED-MTH-G-5045	Motion / Temperature / Humidity Sensor
	SED-WDC-G-5045	Window / Door Sensor
	SED-WLS-G-5045	Water Leakage Sensor

Reference Architecture



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EcoStruxure

Connected Room Solutions

Create engaging environments with personalized comfort and increased operational and energy efficiency, which are essential in today's connected world. Connected Room Solutions feature a modular BACnet/IP Controller, the SpaceLogic RP controllers with native web services and Bluetooth capabilities for control of HVAC, lights and blinds. Built on a flexible architecture, the RP controllers provides a consistent IP story across the building together with our existing network and field level controllers. Complementary offers include the Engage employee mobile app, SpaceLogic Living Space Sensors, and EcoStruxure Building Commission Mobile App.



SpaceLogic RP Controller

Room Purpose Controller RP-C gives occupants the ability to control the room environment and personalize comfort while serving as a data hub for IoT devices. It leverages the latest wireless technologies as well as web services via the RESTful API for easy integration of IoT devices and fast installation. It is built on a flexible architecture that enables deployment with EcoStruxure Building Operation or any BMS.

SpaceLogic Controllers – RP-C Advanced

The RP-C controllers are designed for fan coil, chilled beam and ceiling based systems. When used in combination with a variety of expansion modules, the controller can be used for state-of-the-art lighting and blind control. These scalable and secure BACnet IP-based room controllers enable Connected Room Solutions. With an open IoT hub, it meets customers' future needs, including light and blind control and easy re-zoning. Also save time by managing commissioning conveniently with the EcoStruxure Building Commission mobile app.



RP-C Advanced



RP-C Advanced with external terminal cover

	RP-C-12A-F-24 V	RP-C-12B-F-24 V	RP-C-12C-F-24 V	RP-C-16A-F-230 V
Part Number	SXWRCF12A10002	SXWRCF12B10002	SXWRCF12C10002	SXWRCF16A10003
Communication				
Communication Interface	BACnet/IP, BACnet MS/TP BTL B-AAC	BACnet/IP, BACnet MS/TP BTL B-AAC	BACnet/IP, BACnet MS/TP BTL B-AAC	BACnet/IP, BACnet MS/TP BTL B-AAC
Software				
Programability	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
Physical				
Dimensions	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.370 kg (0.816 lb)	0.390 kg (0.86 lb)	0.390 kg (0.86 lb)	0.720 kg (1.587 lb)
Power				
Power	24 V AC/DC	24 V AC/DC	24 V AC/DC	230 V AC
Consumption	23 VA	23 VA	23 VA	65 VA
Environmental				
Operating Range	0 °C to 50 °C (32 °F to 122 °F) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F)
Internals				
CPU	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core
On-board Bluetooth Low Energy	Yes	Yes	Yes	Yes
Battery	No	No	No	No
Real time clock	Yes -7 days	Yes -7 days	Yes -7 days	Yes -7 days
External Features				
Enclosure rating	UL94 5 VB, Plenum rated, IP 20 (<12.5 mm protection)	UL94 5VB, Plenum rated, IP 20 (<12.5 mm protection)	UL94 5 VB, Plenum rated, IP 20 (<12.5 mm protection)	UL94 5 VB, IP 20 (<12.5 mm protection)
Manual Override of Outputs	No	No	No	No
Optional cover	Yes	Yes	Yes	Yes
Intelligent Sensors	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors
Sensor Bus	Yes	Yes	Yes	Yes
Room Bus	Yes	Yes	Yes	Yes
Terminals				
I/O terminals	Screw terminals	Screw terminals	Screw terminals	Screw terminals
External Enclosure/Mounting				
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications				
BTL	Yes	Yes	Yes	Yes
FCC	47 CFR §15, Subpart A and C, Class B (Emission)	47 CFR §15, Subpart A and C, Class B (Emission)	47 CFR §15, Subpart A and C, Class B (Emission)	No
REACH	Yes	Yes	Yes	Yes
Innovation, Science and Economic Development Canada (ISED)	Class B (Emission)	Class B (Emission)	Class B (Emission)	No
UL	UL-916 (Energy Management Equipment)	UL-916 (Open Energy Management Equipment)	UL-916 (Open Energy Management Equipment)	No
C-UL US	Yes	Yes	Yes	No
CE - EU	Yes	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes
eu.bac	No	No	No	Yes

SpaceLogic Controllers RP-C Advanced – Inputs and Outputs

	RP-C-12A-F-24 V	RP-C-12B-F-24 V	RP-C-12C-F-24 V	RP-C-16A-F-230 V
Part Number	SXWRCF12A10001	SXWRCF12B10001	SXWRCF12C10001	SXWRCF16A10002
Universal Inputs/Outputs	8-Ub	8-Ub	4-Ub	8-Ub
Digital Input	Ub	Ub	Ub	Ub
Counter Input	Ub	Ub	Ub	Ub
Supervised Input	Ub	Ub	Ub	Ub
Voltage Input (0-10 V DC)	Ub	Ub	Ub	Ub
Resistive Input	Ub	Ub	Ub	Ub
Current Input (0-20 mA)	Ub	Ub	Ub	Ub
Temperature Input	Ub	Ub	Ub	Ub
2-wire RTD Temperature Input	Ub	Ub	Ub	Ub
Thermistor Input - 10 k	Ub	Ub	Ub	Ub
Thermistor Input - 1.8 k	Ub	Ub	Ub	Ub
Thermistor Input - 1 k	Ub	Ub	Ub	Ub
Thermistor Input - 20 k	Ub	Ub	Ub	Ub
Thermistor Input - 2.2 k	Ub	Ub	Ub	Ub
RTD Temp Input - Ni1000	Ub	Ub	Ub	Ub
RTD Temp Input - Pt1000	Ub	Ub	Ub	Ub
RTP Temp Input - LG-Ni1000	Ub	Ub	Ub	Ub
Voltage Output (0-10 V DC)	Ub	Ub	Ub	Ub
Digital Outputs				
Solid-state Relay Output (MOSFET)	4		4	4
Relay Output (Form A)		3	3	3
High Power Relay Output (Form C)		1	1	1

Key: Ub – Universal Type B

SpaceLogic Controllers RP-C – Accessories

The following accessories are available for the SpaceLogic IP Controller – RP-C Advanced.

Part number	Product Name	Description
SXWRPCCOV10001	RP-C external terminal covers	Optional external covers for RP-C HVAC
SXWRPCCONU10	RP-C Connector for DO or Ub, 4-pin	Connector for RP-C Pro Plus controller (100 units per packet)
SXWRPCCONPOW1P	RP-C Connector for 24 V AC/DC Output	Connector for RP-C Pro Plus controller (100 units per packet)
SXWRPCCONDCOP	RP-C Connector for 24 V AC/DC Power Input	Connector for RP-C Pro Plus controller (100 units per packet)



RP-C Advanced with optional covers

Wireless Connectivity

USB-based wireless adapter that enables SpaceLogic Wireless Connectivity - Advanced for SpaceLogic Servers and Room Controllers.

Part Number	Product Name	Description
SXWZBAUSB10001	ZB-A-USB	SpaceLogic Wireless Adapter - Advanced for the AS-P, AS-B and RP Series controllers
SXWUSBCRA10001	USB-CRA	USB adapter plastic mounting cradle and wall plate
SXWUSBCBL10001	USB-CBL-1	USB Extension Cable of Length 1 m (3 ft)
SXWUSBCBL10002	USB-CBL-3	Plenum rated USB Extension Cable of Length 3 m (10 ft)



SpaceLogic Wireless Adapter - Advanced

[List of supported wireless devices](#)

SpaceLogic Controllers - RP-C Pro

SpaceLogic RP-C Pro is a high-power controller that offers a multi-room connectivity hub for Connected Room Solutions. The RP-C Pro controller has greater memory space for large room and luxury suite applications. The 16 I/O point controller is integrated into Connected Room Solutions and EcoStruxure building operation and is positioned for room control as well as well-being, comfort of occupants in an energy-efficient way.

The RP-C Pro can either be used as a standalone BACnet/IP field controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server as the parent server. The RP-C can also be reconfigured through the EcoStruxure building operation software to support BACnet MS/TP, instead of BACnet/IP. The RP-C PRO features a wireless chip that allows the mobile commissioning application and the mobile application for room comfort settings to connect directly to the controller. Web services enable web access directly to the RP-C PRO, making the controller an open IoT hub in the room or space area.



RP-C PRO - 16B-F-24 V



RP-C PRO - 16B-F-230 V

	RP-C PRO-16B-F-24 V	RP-C PRO-16B-F-230 V
Part Number	SXWRCF16B10001	SXWRCF16B10002
Communication		
Communication Interface	BACnet/IP, BACnet MS/TP BTL B-AAC	BACnet/IP, BACnet MS/TP BTL B-AAC
Software		
Programability	Function Block/Script Programmable	Function Block/Script Programmable
Physical		
Dimensions	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.390 kg (0.860 lb)	0.720 kg (1.587 lb)
Power		
Power	24 V AC/DC	230 V AC
Consumption	30 VA	65 VA
Environmental		
Operating Range	0 °C to 50 °C (32 °F to 122 °F) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F)
Internals		
CPU	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
On-board Bluetooth Low Energy	Yes	Yes
Battery	No	No
Real time clock	Yes -7 days	Yes -7 days
External Features		
Enclosure rating	UL94 5 VB, Plenum rated, IP 20 (<12.5 mm protection)	UL94 5 VB, IP 20 (<12.5 mm protection)
Manual Override of Outputs	No	No
Optional cover	Yes	Yes
Intelligent Sensors	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors
Sensor Bus	Yes	Yes
Room Bus	Yes	Yes
Terminals		
I/O terminals	Screw terminals	Screw terminals
External Enclosure/Mounting		
Mounting	DIN-rail or wall mount	DIN-rail or wall mount
Certifications		
BTL	Yes	Yes
FCC	47 CFR §15, Subpart B and C, Class B (Emission)	No
REACH	Yes	Yes
Innovation, Science and Economic Development Canada (ISED)	Class B (Emission)	No
UL	UL-916 (Open Energy Management Equipment)	No
C-UL US	Yes	No
CE - EU	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes
RoHS Directive	Yes	Yes
RCM	Yes	Yes
eu.bac	No	Yes

All eu.bac certified products are found on the eu.bac website www.eubaccert.eu

SpaceLogic Controllers RP-C Pro – Inputs and Outputs

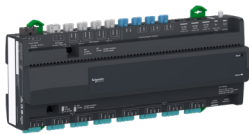
	RP-C-16B-F-24 V	RP-C-16B-F-230 V
Part Number	SXWRCF16B10001	SXWRCF16B10002
Universal Inputs/Outputs	8-Ub	8-Ub
Solid-state relay outputs (MOSFET)	4	4
Relay outputs Form A	3	3
High power relay outputs Form C	1	1



SpaceLogic Controllers - RP-C Pro Plus

SpaceLogic RP-C Pro Plus is a high-power controller that offers a multi-room connectivity hub for Connected Room Solutions. The controller comes with pluggable connectors, with ability to distribute 24 V AC/DC power, as well as greater memory space for large room and luxury suite applications. RP-C Pro Plus is a 230 V AC controller with 16 I/O points. The controller is integrated into Connected Room Solutions and EcoStruxure Building Operation and can be mounted directly on ceilings without the need for an enclosure. RP-C Pro Plus is positioned for room control as well as well-being, comfort of occupants in an energy-efficient way.

The controller can either be used as a standalone BACnet/IP field controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server. The controller features a wireless chip, which enables commissioning of the controller with the Commission mobile application and allows tenants to change the room comfort settings using their smartphones with the Engage mobile application. Web services enable web access directly to the controller, making the controller an open IoT hub in the room or space area.



RP-C-16C-F-230 V

RP-C-16C-F-230 V	
Part Number	SXWRCF16C10001
Communication	
Communication Interface	BACnet/IP, BACnet MS/TP, port configurable, default 47808 BTL B-AAC
Software	
Programmability	Function Block/Script Programmable
Physical	
Dimensions	306 W x 110 H x 64 D mm (12.0 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	24 g (0.84 oz)
Power	
Power	230 V AC
Consumption	65 VA
Environmental	
Operating Range	0 to 50 °C (32 to 122 °F) at normal operation
Internals	
CPU	ARM Cortex-A7 dual-core
On-board Bluetooth Low Energy	Yes
Battery	No
Real-time clock	Yes – 7 days
External Features	
Enclosure rating	UL94-5VB, IP 20
Manual Override of Outputs	No
Optional cover	Yes
Intelligent Sensors	SpaceLogic Living Space Sensors
Sensor Bus	Yes
Room Bus	Yes
Modbus	Yes
Terminals	
I/O terminals	Screw terminals
External Enclosure/Mounting	
Mounting	can be mounted directly on ceilings without the need for an enclosure
Certifications	
BTL	Yes
FCC	Yes
Innovation, Science and Economic Development Canada (ISED)	Yes
UL	UL 916
CE - EU	Yes
WEEE - Directive of the European Union	Yes
RoHS Directive	Yes
RCM	Yes
eu.bac	Yes
UKCA	Yes

All eu.bac certified products are found on the eu.bac web site www.eubaccert.eu

SpaceLogic Controllers - RP-C Pro Plus – Inputs and Outputs

RP-C-16C-F-230 V	
I/O Point Types	RP-C-16C-F-230 V
Universal I/O (Type Ub)	4
Solid-state relay (SSR) outputs (MOSFET)	4a
Universal I/O (Type Ub) or SSR outputs (MOSFET) ^b	8a

a) With 24 V AC/DC power distribution

b) Configurable I/O point type that can be configured either as Universal I/O (Type Ub) or SSR output. When a configurable I/O point is configured as an Universal I/O (Type Ub), the SSR output is enabled and feeds 24 V AC/DC power, but the SSR output can not be configured or used according to table "Configurations by I/O Point Types".



SpaceLogic Controllers – RP-V Advanced

SpaceLogic* RP-V is a room-purpose, fully programmable, IP-based field controller designed for VAV Cooling and Heating applications. RP-V integrates a controller, a damper actuator, and an airflow sensor in a single compact unit for ease of installation. The RP-V can either be used as a standalone BACnet/IP controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server as the parent server. The RP-V can also be reconfigured through the EcoStruxure Building Operation software to use BACnet MS/TP, instead of BACnet/IP. The controller features a wireless chip, which enables commissioning with the Commission mobile application and allows tenants to change the room comfort settings using their smartphones with the Engage mobile application.



RP-V-4A



RP-V-5A

	RP-V-4A	RP-V-5A
Part Number	SXWRPV4A10001	SXWRPV5A10001
Communication		
Communication Interface	BACnet/IP, BACnet MS/TP, port configurable, default 47808 BTL B-AAC (BACnet Advanced Application Controller)a a) See the BTL Product Catalog for up-to-date details on BTL listed firmware revisions on BACnet International's home page.	
Software		
Programmability	Function Block/Script Programmable	
Physical		
Dimensions	168 W x 201 H x 65 D mm (6.6 W x 7.9 H x 2.6 D in.)	
Weight (including terminal blocks)	1.132 kg (2.496 lb)	
Power		
Power	24 V AC	
Maximum Consumption	18 VA	
Power input protection	MOV suppression and internal fuse	
Environmental		
Operating Range	0 to 50 °C (32 to 122 °F)	
Internals		
CPU	ARM Cortex-A7 single-core	
On-board Bluetooth Low Energy	Yes, Bluetooth® 5.1 Low Energy compliant	
Battery	No	
Real-time clock	Yes - 7 days	
External Features		
Troque rating	10 Nm (88.5 lbf.in)	
Manual Override of Outputs	Push-button clutch release	
Optional cover	Yes	
Intelligent Sensors	SpaceLogic Sensors	
Sensor Bus	Yes	
Room Bus	Yes	
Mod Bus	Yes	
Terminals		
I/O terminals	Screw terminals	
External Enclosure/Mounting		
Installation	Over the damper shaft	
Certifications		
BTL	Yes	
FCC	CFR 47, Part 15, Class B	
Innovation, Science and Economic Development Canada (ISED)	IC	
UL	UL 916	
C-UL US	C-UL US Listed (Enclosed Energy Management Equipment)	
WEEE	Yes	
European Union RoHS	Yes	
China RoHS	Yes	
RCM	Yes	
UKCA	Yes	

SpaceLogic Controllers - RP-V Advanced – Inputs and Outputs

I/O Point Types	RP-V-4A	RP-V-5A
Universal I/O Type Ub	4	2
Solid-state relay outputs (MOSFET)	-	3

SpaceLogic RP Controllers - Expansion Modules

Light and Blinds Expansion Modules

Wireless Expansion Modules

The RP Controller enables expansion module to be connected wirelessly using Zigbee. These modules enable wireless lighting control for existing applications.

Product	RP-C-EXT-ZB-0-10 V	RP-C-EXT-ZB-DALI
Part Number	SXWREZB010110001	SXWREZBDALI110001
Communication		
Communication Interface	SpaceLogic Wireless Adapter - Advanced	SpaceLogic Wireless Adapter - Advanced
Physical		
Dimensions	155 W x 44 H x 30 D mm (6.1 W x 1.7 H x 1.2 D in.)	155 W x 44 H x 30 D mm (6.1 W x 1.7 H x 1.2 D in.)
Weight	0.126 kg (0.278 lb)	0.126 kg (0.278 lb)
Power		
Nominal voltage	220 to 240 V AC	220 to 240 V AC
Power consumption	<1 W	<1 W
Environmental		
Operating Range	-20 °C to +50 °C (-4 °F to +122 °F)	-20 °C to +50 °C (-4 °F to +122 °F)
Humidity	85 % RH	85 % RH
Material		
Plastic flame rating	UL94 V-0	UL94 V-0
IP rating	IP 20	IP 20
Connectors	No	No
Inputs		
Digital Inputs	No	No
Outputs		
Type of Output	0-10 V	DALI
Number of outputs	1	1
Power Distribution	Yes	Yes
Certifications		
FCC	No	No
UL	No	No
C UL	No	No
CE	Yes	Yes
WEEE- Directive of EU	Yes	Yes
RoHS	Yes	Yes
RCM	No	No



RP-C-EXT-ZB-0-10 V-1



RP-C-EXT-ZB-DALI-1

SpaceLogic RP Controllers - Expansion Modules

Light and Blinds Expansion Modules

Wired Expansion Modules

The RP provides a room bus, which allows RP Series expansion modules and multi-sensors to be connected to the controller for control of lights and window blinds, motion detection, and luminosity measurements.

Product	RP-C-EXT-DALI-M-PD	RP-C-EXT-0-10 V-4-PD	RP-C-EXT-BL-4-HV-PD	RP-C-EXT-BL-2-LV-PD
Part Number	SXWREDAMPD10001	SXWRE0104PD10001	SXWREB4HVPD10001	SXWREB2LVDP10001
Communication				
Communication Interface	Room Bus	Room Bus	Room Bus	Room Bus
Physical				
Dimensions	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)
Weight	0.433 kg (0.955 lb)	0.418 kg (0.922 lb)	0.437 kg (0.963 lb)	0.399 kg (0.880 lb)
Power				
Nominal voltage	230 V AC	230 V AC	230 V AC	230 V AC
Power consumption	0.3 W	0.3 W	0.3 W	0.3 W
Environmental				
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)	0 to 40 °C (32 to 104 °F)
Humidity	20 to 90 % RH	20 to 90 % RH	20 to 90 % RH	20 to 90 % RH
Material				
Plastic flame rating	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
IP rating	IP 20	IP 20	IP 20	IP 20
Connectors	Yes	Yes	Yes	Yes
Inputs				
Digital Inputs	4	4	4	4
Outputs				
Type of Output	DALI	0-10 V	230 V	24 V
Number of outputs	4	4	4	2
Power Distribution	Yes	Yes	Yes	Yes
Certifications				
FCC	Yes	Yes	Yes	Yes
UL	No	No	No	No
C UL	No	No	No	No
CE	Yes	Yes	Yes	Yes
WEEE-Directive of EU	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes



RP Controller High Voltage
SMI Blind Module



RP Controller Light Module - 0-10 V

SpaceLogic RP Controllers - Expansion Modules

Light and Blinds Expansion Modules

Product	RP-C-EXT-BL-SMI-4-HV-PD	RP-C-EXT-BL-SMI-2-LV-PD	RP-C-EXT-REL-4	CRS-HH-REL-10
Part Number	SXWRESMI4HVPD10001	SXWRESMI2LVPD10001	SXWREREL410001	SXWHHREL10001
Communication				
Communication Interface	Room Bus	Room Bus	Room Bus	Room Bus
Physical				
Dimensions	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)
Weight	0.405 kg (0.893 lb)	0.439 kg (0.968 lb)	0.378 kg (0.833 lb)	0.476 kg (1.050 lb)
Power				
Nominal voltage	230 V AC	230 V AC	100 to 277 V AC	24 V DC
Room bus power consumption	0.3 W	0.3 W	0.3 W	0.3 W
Environmental				
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 40 °C (32 to 104 °F)	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
Humidity	20 to 90 % RH	20 to 90 % RH	20 to 90 % RH	20 to 90 % RH
Material				
Plastic flame rating	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
IP rating	IP 20	IP 20	IP 20	IP 20
Connectors	Yes	Yes	Yes	10 x 2-pin plus 2 x 9-pin screw terminal blocks for relay outputs and digital inputs respectively
Inputs				
Digital Inputs	4	4	4	12
Outputs				
Type of Output	230 V SMI	24 V SMI	Relays	Relays
Number of outputs	4	2	4	10
Power Distribution	Yes	Yes	Yes	No
Certifications				
FCC	Yes	Yes	Yes	Yes
UL	No	No	Yes	Yes
C UL	No	No	Yes	Yes
CE	Yes	Yes	Yes	Yes
WEEE-Directive of EU	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes



RP Controller Relay Module

SpaceLogic RP Controllers - Expansion Modules

Light and Blinds Expansion Modules

Product	RP-C-EXT-0-10 V-4	RP-C-EXT-DALI-1	RP-C-EXT-KNX	RP-C-EXT-0-10 V-UNI-DIM-1	RP-C-RC-BLE
Part Number	SXWRE010410001	SXWREDALI110001	SXWREKNX10001	SXWRE010DIM10001	SXWRERCBLE10001
Communication					
Communication Interface	Room Bus	Room Bus	Modbus	0-10 V extension module	Bluetooth
Physical					
Dimensions	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	198 W x 110 H x 64 D mm (7.8 W x 4.3 H x 2.5 D in.)	18 W x 90 H x 60 D mm (0.7 W x 3.5 H x 2.4 D in.)	17.5 W x 35 mm DIN rail mount (0.7 W x 1.37 inch)	57 W x 143 H x 18 D mm (2.24 W x 5.63 H x 0.71 D in.)
Weight	0.438 kg (0.965 lb)	0.352 kg (0.776 lb)	50 g (1.76 oz)		0.105 kg (0.231 lb)
Power					
Nominal voltage	100 to 277 V AC	100 to 277 V AC	24 V DC	230 V AC	3.0 V DC
Power Consumption	0.3 W	0.3 W	<0.24 W	0.5 W	n/a
Environmental					
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)	-5 °C to +45 °C (23 °F to +113 °F)	-10 to 50 °C (14 to 122 °F)	0 to 40 °C (32 to 104 °F)
Humidity	20 to 90 % RH	20 to 90 % RH	5 to 93 % RH	n/a	20 to 90 % RH
Material					
Plastic flame rating	UL94 V-0	UL94 V-0	UL94 V-0	n/a	n/a
IP rating	IP 20	IP 20	IP 20	IP 20	IP 30
Connectors	Yes	Yes	No	No	No
Inputs					
Digital Inputs	4	4	No	No	No
Outputs					
Type of Output	0-10 V	DALI	KNX	230 V	n/a
Number of outputs	4	4	1	1	0
Power Distribution	No	No	No	Yes	No
Certifications					
FCC	Yes	Yes	No	No	Yes
UL	Yes	Yes	No	No	no
C UL	Yes	Yes	No	No	no
CE	Yes	Yes	Yes	Yes	Yes
WEEE- Directive of EU	Yes	Yes	Yes	Yes	Yes
RoHS	Yes	Yes	Yes	Yes	Yes
RCM	Yes	Yes	No	No	Yes

SpaceLogic Room Sensors

The SpaceLogic™ Multi-Sensor is a single sensor for occupancy and light level measurement and the SpaceLogic™ Insight-Sensor, is an advanced six-in-one room sensor for occupancy, people count, light, sound, temperature, and humidity sensing in real-time. Unlike traditional demand-controlled ventilation sensors that rely on CO2 levels or programmed schedules, SpaceLogic Insight-Sensor uses real-time discreet people-counting technology.

Create more flexible, and future-ready buildings with the SpaceLogic Multi and Insight-Sensors:

- Increase occupant and tenant satisfaction: ensure room environments are optimized for comfort and productivity: temperature, lighting, sound, fresh air supply, and more.
- Reduce energy costs and increase operational efficiency: Heat, cool, light and ventilate spaces only where and when it's needed, based on actual number of people in the room.
- Increase building value: Capture granular room-level energy and well-being analytics required for LEED, WELL, Fitwel, and other certifications.

The Multi and Insight-Sensors are ceiling-mounted sensor that connects to the SpaceLogic RP-C controller natively integrate data with EcoStruxure™ Building Operation building management system platform. This smart building integration not only enables faster, on-demand response to changing room conditions and occupancy, but also makes the data accessible in a single comprehensive view with other building systems, helping to manage, optimize, and improve building performance, reduce energy waste, and increase operational efficiency.



Insight-Sensor



Multi-Sensor

Product	RP-C-EXT-MS-BLE	RP-C-EXT-IS-BLE
Part Number	SXWREMSBLE10001	SXWREISBLE10001
Communication		
Communication Interface	Room Bus	Room Bus
Physical		
Dimensions	97.5 mm (3.84 in.) overall diameter	97.5 mm (3.84 in.) overall diameter
Weight	0.083 kg (0.183 lb)	0.088 kg (0.194 lb) with mounting springs 0.098 kg (0.216 lb) with mounting ring
Power		
Nominal voltage	24 V DC	24 V DC
Room bus power consumption	0.3W	0.35 W
Environmental		
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
Humidity	20 to 90 % RH	20 to 90 % RH
Material		
Plastic flame rating	UL94 V-0	UL94 V-0
IP rating	IP 20	IP 20
Connectors	No	No
Inputs		
Digital inputs	No	No
Outputs		
Type of output	No	No
Number of outputs	0	0
Power distribution	No	No
Certifications		
FCC	Yes	Yes
UL	Yes	Yes
C UL	Yes	Yes
CE	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes
RoHS Directive	Yes	Yes
RCM	Yes	Yes

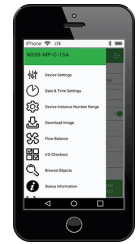
Connector accessories for RP Controller Expansion Modules

The following external connectors needed for the expansion modules are available for order in quantities of 50 or 100.

Part Number	Wieland Reference	Product Name	Connectors per packet
SXWRPCCONWDI	91.921.2353.0	Digital input Connector	100
SXWRPCCONWWLIGHT2	91.922.3353.0	Light output connector for 0-10 V modules without power distribution	100
SXWRPCCONWWLIGHT	91.922.3453.0	Light output connector for DALI modules without power distribution	100
SXWRPCCONWWPOW	91.931.4053.1	Power supply input connector	100
SXWRPCCONWWREL	91.932.4053.1	Relay output connector	100
SXWRPCCONWBLHV	91.942.4053.1	High Voltage blind output connector	50
SXWRPCCONWBLSMI	91.952.4053.1	High Voltage SMI blind output connector	50
SXWRPCCONWBLLV	91.952.4353.0	Low Voltage blind output connector	50
SXWRPCCONWWLIGHTPD	91.952.4453.0	Light output connector for light modules with power distribution	50

EcoStruxure Building Commission Mobile App

Reduce commissioning time, gain flexibility in project execution, and eliminate dependencies on network infrastructure. This mobile application enables device configuration (including network settings), I/O checkout operations and configuration across all RP Series controllers (as well as the MP Series). It is ideal for all skill-sets including those who may have limited familiarity with the Building Operation system. The Building Commission mobile application is available to download from Apple (iOS devices), Google Play (Android devices), and Microsoft (Windows 10 and 11 devices) stores.



EcoStruxure Engage Mobile App

Provides flexibility and convenience for today's building occupants, enabling them to control room temperature, fan speed, lights, and blinds/shades directly from a smartphone. Users can manage these settings when the mobile app is connected to the RP-C Controller. Free and downloadable from Google Play and Apple App Store.

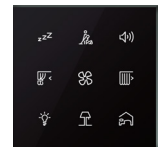


Glass Touch Panels and TC900 Series Fan Coil Thermostats

EcoStruxure Connected Room Solutions for Hotels provide room level interfaces for temperature, lighting, blind control and door lock integration, in addition to a single point of integration for other IoT devices to create integrated and engaging guest room environments with responsive, personalized guest comfort and increased operational and energy efficiency.

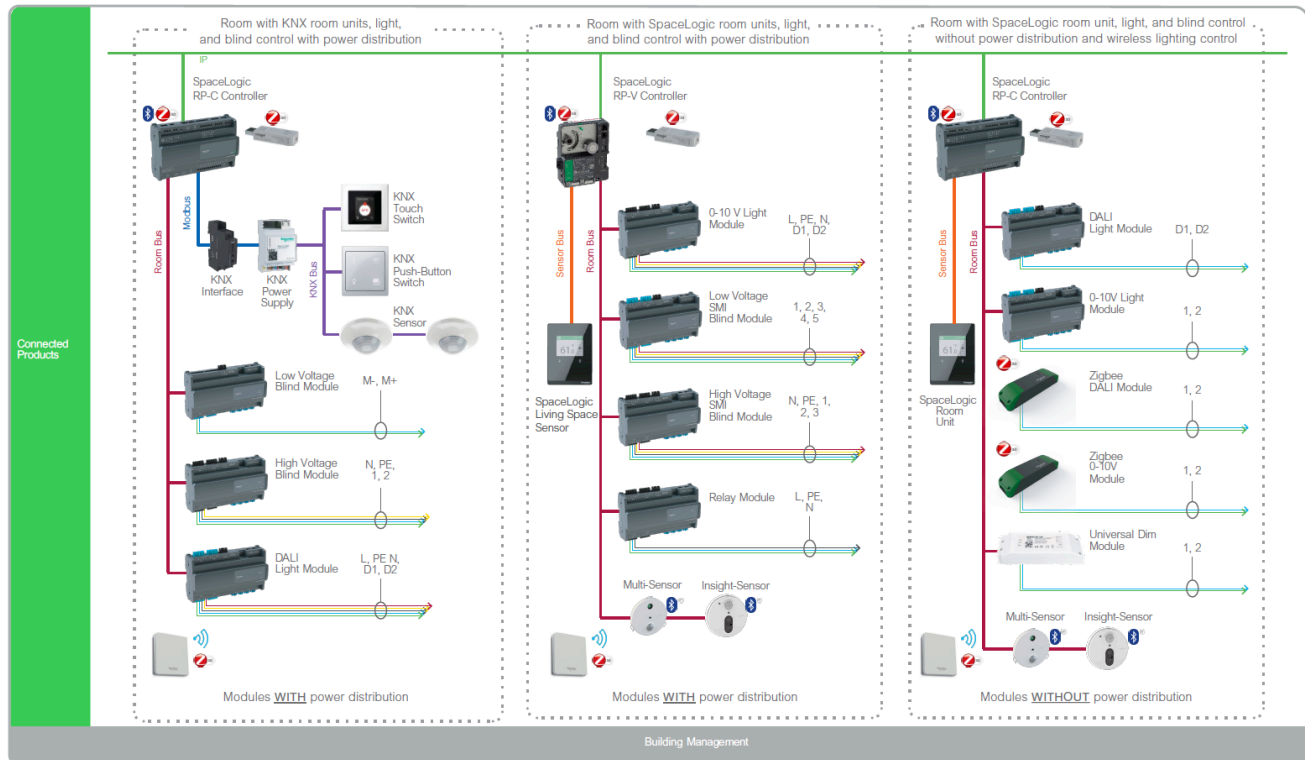
Among the offers in this solution are Glass Touch Panels with intuitive touch-screen interfaces to enable guest control of room temperature, lighting, curtains, services, and more. Available in a variety of glass color and backlight options, Glass Touch Panels are highly customizable to reflect each hotel's unique visual aesthetic, and are easy to design and configure via an intuitive web tool. Find more information on the EcoXpert Exchange [here](#).

TC900 Series Fan Coil Thermostats are optimized for hotel applications. They feature microprocessor-based control and large backlit LCD screens which display operation status (cooling, heating, and ventilation), fan speed, room temperature and set-point. Find more information on the EcoXpert Exchange [here](#).



Reference Architecture

EcoStructure™ Connected Room Solutions Architecture Powered by EcoStructure™ Building Operation



Physical network hierarchy
Connected Room Solutions

1



SpaceLogic MP Controllers

Next-generation IP field controllers and accessories extend the reach of EcoStruxure Building's open innovation platform with seamless scalability and flexible topologies that enable data transmission from connected equipment, and enhance the ability to diagnose and resolve issues faster.

SpaceLogic Controllers - MP-C

MP-C Controller is designed for VAVs and fan coil, heat pump, roof top and air handling units. They feature scalable and flexible topologies that enable data transmission from connected equipment, which enhance the ability to diagnose and resolve issues faster. Also manage commissioning activities conveniently from mobile devices with the EcoStruxure Building Commission Mobile App.

SpaceLogic IP Controller MP-C



MP-C

Note: Screw terminals are prepopulated. Spare is available. See accessories section on page S6.

	MP-C-15A	MP-C-18A	MP-C-18B	MP-C-24A	MP-C-36A
Part Number	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
Other Models	MP-C-15A-SMK MP-C-15A-BAA	MP-C-18A-SMK MP-C-18A-BAA	MP-C-18B-SMK MP-C-18B-BAA	MP-C-24A-SMK MP-C-24A-BAA	MP-C-36A-SMK MP-C-36A-BAA
Part Number (UL-864 Smoke Control)	SXWMPC15A1S001	SXWMPC18A1S001	SXWMPC18B1S001	SXWMPC24A1S001	SXWMPC36A1S001
Part Number (Buy American Act Compliant)	SXWMPC15A10A01 SXWMPC15AB10A01*	SXWMPC18A10A01	SXWMPC18B10A01	SXWMPC24A10A01	SXWMPC36A10A01 SXWMPC36AB10A01*
Communication					
Communication Interface	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC
Software					
Programability	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
Physical					
Dimensions	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	234 W x 110 H x 64 D mm (9.2 W x 4.3 H x 2.5 D in.)	234 W x 110 H x 64 D mm (9.2 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.358 kg (0.789 lb)	0.371 kg (0.818 lb)	0.361 kg (0.796 lb)	0.495 kg (1.091 lb)	0.547 kg (1.206 lb)
Power					
Power	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
Consumption	12 W	12 W	12 W	15 W	18 W
Environmental					
Operating Range⁶	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop
CPU Internals					
CPU	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
Memory	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)
Battery	No	No	No	No	No
Real time clock	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum
External Features					
Enclosure rating	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)
HOA Switches (DO/AO)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)
Manual Override of Outputs	Yes	Yes	Yes	Yes	Yes
Digital Status LEDs	Yes	Yes	Yes	Yes	Yes
Intelligent Sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors
Sensor Bus	Yes	Yes	Yes	Yes	Yes
Terminals					
I/O terminals	Two-piece terminal	Two-piece terminal	Two-piece terminal	Two-piece terminal	Two-piece terminal
External Enclosure/ Mounting					
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount

SpaceLogic IP Controller MP-C (continued)

	MP-C-15 A	MP-C-18 A	MP-C-18 B	MP-C-24 A	MP-C-36 A
Part Number	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
Certifications					
BTL	Yes	Yes	Yes	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
REACH	Yes	Yes	Yes	Yes	Yes
Innovation, Science and Economic Development Canada (ISED)	Class B (Emission)	Class B (Emission)	Class B (Emission)	Class B (Emission)	Class B (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes	Yes
US Patent					

SpaceLogic Controllers MP-C and MP-V conform to the BACnet® Advanced Application Controller (B-AAC) profile. Refer to BACnet International's site, BTL Listing of Tested Product page for up-to-date details on BTL certifications for product version. EcoStruxure solution installations or BMS transitions requiring UL-864 certifications must use the SpaceLogic Controller MP-C-xxx-SMK (listed above).

***Note:** SXWMPC15AB10A01 is a Buy American Act (BAA) compliant SpaceLogic MP-C-15A-BAA Controller bundle, which includes SpaceLogic MP-C-15A-BAA Controller and MP-C Override Display Module MP-C-BAA DISPLAY.

SXWMPC36AB10A01 is a Buy American Act (BAA) compliant SpaceLogic MP-C-36A-BAA Controller bundle, which includes SpaceLogic MP-C-36A-BAA Controller and MP-C Override Display Module MP-C-BAA DISPLAY.

SpaceLogic Controllers - MP-V

SpaceLogic MP-V is a multi-purpose, fully programmable, IP-based field controller for VAV cooling and heating applications. MP-V integrates a controller, a damper actuator, and an airflow sensor in a single compact package for ease of installation.

MP-V can either be used as a standalone BACnet/IP field controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server as the parent server.



MP-V

Note: Screw terminals are prepopulated.
Spare is available.
See accessories section on page S6.

	MP-V-7A	MP-V-9A
Part Number	SXWMPV7AX10002	SXWMPV9AX10002
Other Models	MP-V-7A-SMK MP-V-7A-BAA	MP-V-9A-SMK MP-V-9A-BAA
Part Number (UL-864 Smoke Control)	SXWMPV7AX1S001	SXWMPV9AX1S001
Part Number (Buy American Act Compliant)	SXWMPV7AX10A02	SXWMPV9AX10A02
Communication		
Communication Interface	BACnet MS/TP, BACnet/IP, BTL B-AAC	BACnet MS/TP, BACnet/IP, BTL B-AAC
Software		
Programmability	Function Block/Script Programmable	Function Block/Script Programmable
Physical		
Dimensions	161 W x 198 H x 63 D mm (6.3 W x 7.8 H x 2.5 D in.)	161 W x 198 H x 63 D mm (6.3 W x 7.8 H x 2.5 D in.)
Weight (including baseplate)	1.13 kg (2.5 lb)	1.13 kg (2.5 lb)
Power		
Power	24 V AC	24 V AC
Consumption	21 VA	22 VA
Environmental		
Operating Range	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
CPU Internals		
CPU	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
Memory	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)
Battery	No	No
Real time clock	Yes -7 days minimum	Yes -7 days minimum
External Features		
Enclosure rating	ABS/PC, UL94 V-0, IP 20 (<12.5 mm protection), Plenum Rated	ABS/PC, UL94 V-0, IP 20 (<12.5 mm protection), Plenum Rated
HOA Switches (DO/AO)	N/A	N/A
Manual Override of Outputs	Yes	Yes
Digital Status LEDs	Yes	Yes
Sensor Bus	Yes	Yes
Terminals		
I/O Expansion	No	No
External Enclosure/ Mounting		
Mounting	wall mount	wall mount
Certifications		
BTL	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
REACH	Yes	Yes
Innovation, Science and Economic Development Canada (ISED)	Class B (Emission)	Class B (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
UL-864	Yes	Yes
C-UL US	Yes	Yes
CE - EU	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes
RoHS Directive	Yes	Yes
RCM	Yes	Yes
US Patent		

SpaceLogic Controllers MP-C and MP-V conform to the BACnet® Advanced Application Controller (B-AAC) profile. Refer to BACnet International's site, BTL Listing of Tested Product page for up-to-date details on BTL certifications for product version. EcoStruxure solution installations or BMS transitions requiring UL-864 certifications must use the SpaceLogic Controller MP-V-xx-SMK (listed above).

SpaceLogic Controllers MP-C – Inputs and Outputs

	MP-C-15A	MP-C-18A	MP-C-18B	MP-C-24A	MP-C-36A
Part Number	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
Other Models	MP-C-15A-SMK MP-C-15A-BAA	MP-C-18A-SMK MP-C-18A-BAA	MP-C-18B-SMK MP-C-18B-BAA	MP-C-24A-SMK MP-C-24A-BAA	MP-C-36A-SMK MP-C-36A-BAA
Part Number (UL-864 Smoke Control)	SXWMPC15A1S001	SXWMPC18A1S001	SXWMPC18B1S001	SXWMPC24A1S001	SXWMPC36A1S001
Part Number (Buy American Act Compliant)	SXWMPC15A10A01	SXWMPC18A10A01	SXWMPC18B10A01	SXWMPC24A10A01	SXWMPC36A10A01
Universal Inputs/Outputs	8-Ub	10-Ub	10-Ub	16-Ub, 4Uc	20-Ub, 8Uc
Digital Input	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Counter Input	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Supervised Input	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Voltage Input - (0-10 V)	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Resistive Input	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Thermistor Input - 10 k	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Thermistor Input - 1.8 k	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Thermistor Input - 1 k	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Thermistor Input - 20 k	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Thermistor Input - 2.2 k	Ub	Ub	Ub	Ub/Uc	Ub/Uc
RTD Temp Input - Pt100					
RTD Temp Input - Pt1000	Ub	Ub	Ub	Ub/Uc	Ub/Uc
RTD Temp Input - Ni1000	Ub	Ub	Ub	Ub/Uc	Ub/Uc
RTD Temp Input - LG-Ni1000	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Voltage Output (0-10 V)	Ub	Ub	Ub	Ub/Uc	Ub/Uc
Current Output (0-20 mA)				Uc	Uc
Digital Outputs	7	8	8	4	8
Form A Relay, SPST		3		4	8
Form C Relay, SPDT					
Triac	6	4	8		
Form A High Power Relay, SPST	1	1			

Key: Ub – Universal Type B, Uc – Universal Type C

SpaceLogic Controllers MP-V – Inputs and Outputs

	MP-V-7A	MP-V-9A	MP-V-7A	MP-V-9A
Part Number	SXWMPV7AX10001	SXWMPV9AX10001	SXWMPV7AX10002	SXWMPV9AX10002
Other Models	MP-V-7A-SMK	MP-V-9A-SMK	MP-V-7A-SMK MP-V-7A-BAA	MP-V-9A-SMK MP-V-9A-BAA
Part Number (UL-864 Smoke Control)	SXWMPV7AX1S001	SXWMPV9AX1S001	SXWMPV7AX1S001	SXWMPV9AX1S001
Part Number (Buy American Act Compliant)	-	-	SXWMPV7AX10A02	SXWMPV9AX10A02
Universal Inputs	3	4	3	4
Digital Input	Yes	Yes	Yes	Yes
Counter Input	Yes	Yes	Yes	Yes
Supervised Input	Yes	Yes	Yes	Yes
Voltage Input - (0-10 V)	Yes	Yes	Yes	Yes
Resistive Input	Yes	Yes	Yes	Yes
Thermistor Input - 10 k	Yes	Yes	Yes	Yes
Thermistor Input - 1.8 k	Yes	Yes	Yes	Yes
Thermistor Input - 1 k	Yes	Yes	Yes	Yes
Thermistor Input - 20 k	Yes	Yes	Yes	Yes
Thermistor Input - 2.2 k	Yes	Yes	Yes	Yes
RTD Temp Input - Pt100	-	-	-	-
RTD Temp Input - Pt1000	Yes	Yes	Yes	Yes
RTD Temp Input - Ni1000	Yes	Yes	Yes	Yes
RTD Temp Input - LG-Ni1000	Yes	Yes	Yes	Yes
Voltage Output (0-10 V)	Yes	Yes	Yes	Yes
Current Output (0-20 mA)				
Damper Position Feedback	Yes	Yes	Yes	Yes
Velocity Pressure Sensor	Yes	Yes	-	-
Digital Output	3	3	3	3
Form C Relay, SPDT				
Triac	Yes	Yes	Yes	Yes
Form A High Power Relay, SPST				
Analog Output	1	2	1	2
Voltage outputs (0-10 V DC)	Yes	Yes	Yes	Yes
Current Output (0-20 mA)	Yes	Yes	Yes	Yes
Damper Outputs				
Form K, Triac Voltage	Yes	Yes	Yes	Yes

SpaceLogic Controllers – IP-IO

As a network level IO resource the IP-IO Series is capable of sharing its local IO resources across one or multiple SpaceLogic Controllers or EcoStruxure Building Edge Servers over BACnet network.



IP-IO

Note: Screw terminals are prepopulated. Spare is available. See accessories section on page S6.

	IP-IO-DI10	IP-IO-UIO10	IP-IO-UIO5DOFA4
Part Number	SXWIPIOAA10001	SXWIPIOBA10001	SXWIPIOCA10001
Other Models	IP-IO-DI10-SMK IP-IO-DI10-BAA	IP-IO-UIO10-SMK IP-IO-UIO10-BAA	IP-IO-UIO5DOFA4-SMK IP-IO-UIO5DOFA4-BAA
Part Number (UL-864 Smoke Control)	SXWIPIOAA1S001	SXWIPIOBA1S001	SXWIPIOCA1S001
Part Number (Buy American Act Compliant)	SXWIPIOAA10A01	SXWIPIOBA10A01	SXWIPIOCA10A01
Communication			
Communication Interface	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC
Physical			
Dimensions	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)	153 W x 110 H x 64 D mm (6.0 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.358 kg (0.789 lb)	0.358 kg (0.789 lb)	0.358 kg (0.789 lb)
Power			
Power	24 V AC/DC	24 V AC/DC	24 V AC/DC
Consumption	9 W	9 W	9 W
Environmental			
Operating Range ⁶	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing) -40 °C to 60 °C (-40 °F to 140 °F) for rooftop
CPU Internals			
CPU	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
Memory	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)
Battery	No	No	No
Real time clock	Yes - 7 days minimum	Yes - 7 days minimum	Yes - 7 days minimum
External Features			
Enclosure rating	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5V, IP 20 (<12.5 mm protection)
Add-on HOA / Display	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)
Manual Override of Outputs	N/A	Yes	Yes
Digital Status LEDs	Yes	Yes	Yes
Intelligent Sensors	No	No	No
Sensor Bus	No	No	No
Terminals			
I/O terminals	Two-piece terminal	Two-piece terminal	Two-piece terminal
External Enclosure/Mounting			
Mounting	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
Certifications			
BTL	Yes	Yes	Yes
FCC	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
REACH	Yes	Yes	Yes
Innovation, Science and Economic Development Canada (ISED)	Class B (Emission)	Class B (Emission)	Class B (Emission)
UL	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
C-UL US	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
US Patent			

SpaceLogic Controllers - IP-IO Series is pending certification of the BACnet Application Specific Controller (B-ASC) profile, Refer to BACnet International's site, BTL Listing of Tested Product page for up-to-date details on BTL certifications for product version.

SpaceLogic Controllers IP-IO – Inputs and Outputs

	IP-IO-DI10	IP-IO-UIO10	IP-IO-UIO5DOFA4
Part Number	SXWIPIOAA10001	SXWIPIOBA10001	SXWIPIOCA10001
Other Models	IP-IO-DI10-SMK IP-IO-DI10-BAA	IP-IO-UIO10-SMK IP-IO-UIO10-BAA	IP-IO-UIO5DOFA4-SMK IP-IO-UIO5DOFA4-BAA
Part Number (UL-864 Smoke Control)	SXWIPIOAA1S001	SXWIPIOBA1S001	SXWIPIOCA1S001
Part Number (Buy American Act Compliant)	SXWIPIOAA10A01	SXWIPIOBA10A01	SXWIPIOCA10A01
Digital Inputs	10		
Universal Inputs/Outputs		10-Ub	5-Ub
Digital Input		Ub	Ub
Counter Input		Ub	Ub
Supervised Input		Ub	Ub
Voltage Input - 0-10 V		Ub	Ub
Resistive Input		Ub	Ub
Thermistor Input - 10 k		Ub	Ub
Thermistor Input - 1.8 k		Ub	Ub
Thermistor Input - 1 k		Ub	Ub
Thermistor Input - 20 k		Ub	Ub
Thermistor Input - 2.2 k		Ub	Ub
RTD Temp Input - Pt100			
RTD Temp Input - Pt1000		Ub	Ub
RTD Temp Input - Ni1000			
RTD Temp Input - LG Ni1000		Ub	Ub
Voltage Output 0-10 V		Ub	Ub
Current Output 0-20mA			
Digital Outputs			4
Form A Relay, SPST			3
Form C Relay, SPDT			
Triac			
Form A High Power Relay, SPST			1

Key: Ub – Universal Type B, Uc – Universal Type C

SpaceLogic IP Controllers

SpaceLogic IP Controllers – Accessories

The following accessories are available for the SpaceLogic Controllers.

Part Number	Product Name	Description
SXWMPCDSP10001	MP-C DISPLAY	MP-C override display module
SXWMPCDSP10A01*	MP-C-BAA DISPLAY	MP-C override display module (Buy American Act Compliant)
SXWDINEND10001	DIN-RAIL-CLIP	DIN-rail end clip, package of 25 pieces
SXWMPVCON10001	MP-V Connector Kit	Spare screw terminals for all MP-V models
SXWMPCCON10001	MP-C Connector Kit	Spare screw terminals for all MP-C models
SXWBTAECXX10001	eCommission Bluetooth Adapter	



MP-C DISPLAY



DIN-RAIL-CLIP



SXWMPCCON10001



SXWMPVCON10001

*Touch Display supports user access to the following settings: HVAC mode (Cooling/Heating/Auto), Setpoint adjust, Override and Fan (ON/OFF/Auto)

*MP-C-BAA DISPLAY can only be purchased as a bundle with the SpaceLogic MP-C-15A-BAA Controller with part number SXWMP15AB10A01 or the SpaceLogic MP-C-36A-BAA Controller with part number SXWMP36AB10A01.

SpaceLogic IP Controllers (continued)

SpaceLogic RS-485 Adapters

The following adapters are available for use with SpaceLogic controllers.

Part Number	Product Name	Description
SXWISORS48510001	Isolated RS-485 adapter	Connect SpaceLogic controllers to isolated BACnet MS/TP network.
SXWNISORS48510001	Non-Isolated RS-485 adapter	Connect SpaceLogic controllers to non-isolated BACnet MS/TP network.
SXWNISORS485P10001	RS-485 Power adapter	Increase bus length and number of devices for Modbus RTU networks from SpaceLogic controllers.



Non-Isolated Adapter



Isolated Adapter



RS-485 Power Adapter

Actassi Structured Cabling Solution

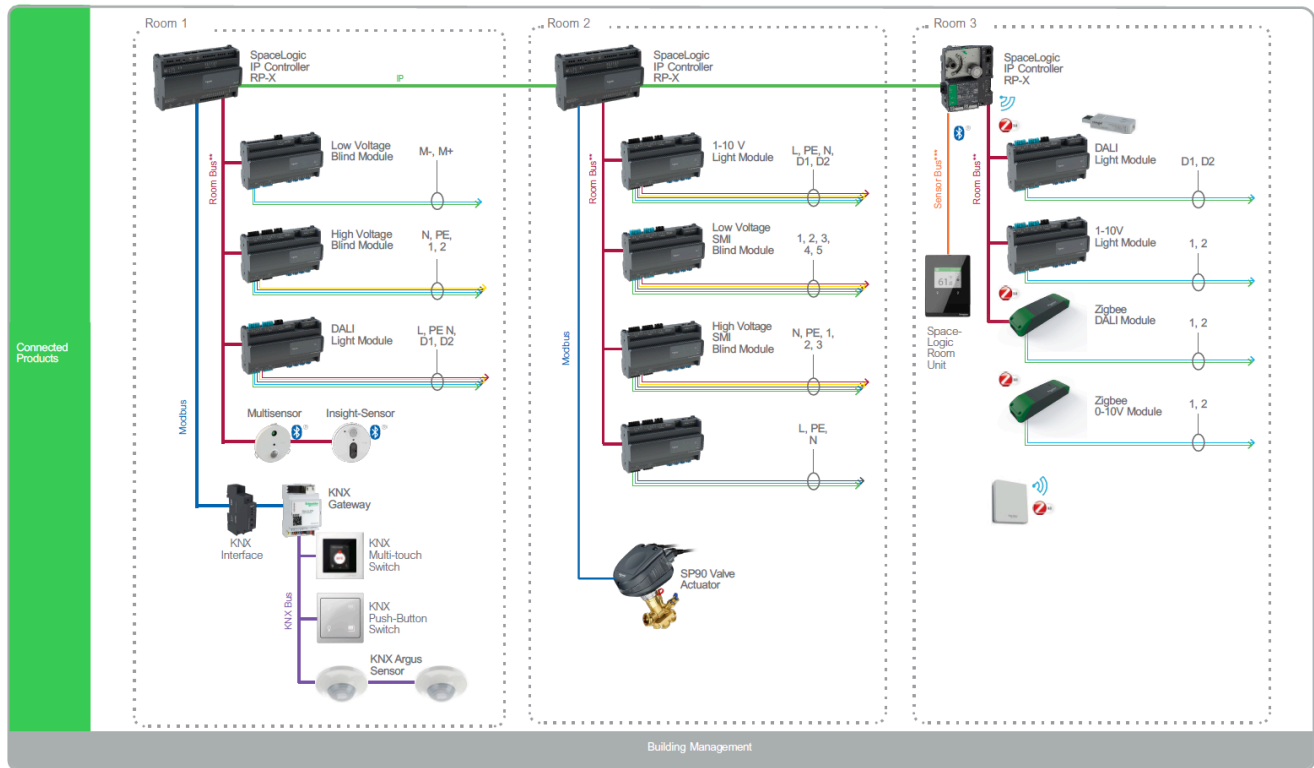
Actassi connectivity work seamlessly with SpaceLogic Controllers. Get simple installation and ease of engineering deployment with a single source for BMS and network cabling needs. These physical network infrastructure solutions offer reliable and scalable IP backbone that enable a responsive BMS network.

a) Abbreviations: UTP (Unshielded Twisted Pair), CMP (Plenum-rated cable)

Reference Architecture

EcoStructure™ Building Operation Powered by EcoStructure™ Building Operation

Multi-room IP Architecture Options



SpaceLogic Living Space Sensors

SpaceLogic Living Space Sensors

Communicating sensors for SpaceLogic IP Controllers with the EcoStruxure Building Operation user interface. These sensors use an RJ-45 sensor bus that provides communication and power from the controller. For quick installation, up to four SpaceLogic sensors may be connected to each IP controller through the RJ-45 sensor bus using Cat 5/6 cable (22 to 26 AWG). A Bluetooth® adapter is available for commissioning and service. It is temporarily connected to installed communicating sensors and allows for quick setup and configuration. The Bluetooth adapter communicates to upload devices (smart phone, laptop, table, etc.) with the Living Space Sensor EcoStruxure Building Operation app installed via USB or Bluetooth Communication. These sensors support light, blind and scene control when used with Connected Room Solutions.

SpaceLogic Living Space Sensors are modular and ordered in two parts: the sensor base and the cover. Four SpaceLogic communicating sensor base models are available that can be paired with any SpaceLogic cover model. CO₂, Relative Humidity, and Temperature sensor base options provide an efficient, cost effective solution for living space air quality and comfort needs. Covers are available with a 61 mm (2.4") backlit color touchscreen and a three button non-display version for override and setpoint. Blank covers with no user interface are also available. All modular cover variants are available with and without passive infrared occupancy sensors.



Two complete sensor/cover combination model types are available:

- Temperature-only with LCD display. Communicating with three button cover. This is a low cost temperature sensor with a basic display.
- A two-wire, resistive-only, non-communicating temperature sensor is offered for a low cost conformance part. This uses an I/O port on the controller.

Combination models come with a sensor base and cover, and are available in White Optimum, Black Optimum or medium White Matte finishes. Combination units have the same form factor as the modular sensor bases and covers of the same housing type. (Combination units will not work with other covers.) Sensors measure the levels of CO₂ (if equipped), RH (if equipped), and temperature of air in a living space application. The CO₂ sensor operates within accuracy specifications for an interval of two years and can be field calibrated.

Find more information and part numbers on The EcoXpert Exchange: <https://ecobuilding.schneider-electric.com/field-devices/sensors>



EasyLogic Solutions

Explore the cost-effective solution that meets unique needs of the basic building architectures

EasyLogic Controllers

EasyLogic RP-C Controller

EasyLogic RP-C is a room-purpose, fully programmable, BACnetMS/TP based field controller that suits a wide range of HVAC applications. The RP-C can either be used as a standalone field controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server as the parent server.



RP-C-12A-M-24 V



RP-C-12B-M-24 V



RP-C-16A-M-24 V

	RP-C-12A-M-24 V	RP-C-12B-M-24 V	RP-C-16A-M-24 V
Part Number	SXWRCF12AM10001	SXWRCF12BM10001	SXWRCF16AM10001
Communication			
Communication Interface	BACnet MS/TP, BTL B-AAC	BACnet MS/TP, BTL B-AAC	BACnet MS/TP, BTL B-AAC
Software			
Programmability	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
Physical			
Dimensions	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.335 kg (0.741 lb)	0.358 kg (0.789 lb)	0.360 kg (0.789 lb)
Power			
Power	24 V AC	24 V AC	24 V AC
Consumption	14 VA	14 VA	14 VA
Environmental			
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
Internals			
CPU	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core
Battery	No	No	No
Real-time clock	No	No	Yes
External Features			
Enclosure rating	UL94 V-0	UL94 V-0	UL94 V-0
Manual Override of Outputs	No	No	No
Optional cover	Yes	Yes	Yes
Intelligent Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors
Sensor Bus or Modbus RTU	Yes	Yes	Yes
Room Bus	No	No	No
Terminals			
I/O terminals	Screw terminals	Screw terminals	Screw terminals
External Enclosure/Mounting			
Mounting	DIN rail or flat surface	DIN rail or flat surface	DIN rail or flat surface
Certifications			
BTL	Yes	Yes	Yes
FCC	Yes, FCC Part 15, Sub-part B, Class B	Yes, FCC Part 15, Sub-part B, Class B	Yes, FCC Part 15, Sub-part B, Class B
REACH	No	No	No
Innovation, Science and Economic Development Canada (ISED)	No	No	No
UL	UL 916, UL 2043	UL 916, UL 2043	UL 916, UL 2043
C-UL US	Yes	Yes	Yes
CE - EU	Yes	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes	Yes
RoHS Directive	Yes	Yes	Yes
RCM	Yes	Yes	Yes
eu.bac	No	No	No

See the BTL Product Catalog for up-to-date details on BTL listed firmware revisions on BACnet International's home page.

EasyLogic RP-V Controller

EasyLogic RP-V-5C-M is a room-purpose, fully programmable, BACnet MS/TP based field controller dedicated for VAV cooling and Heating applications. The RP-V integrates a controller, a damper actuator, and an airflow sensor in a single compact package for ease of installation. The RP-V can either be used as a standalone field controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server as the parent server.



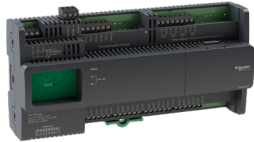
RP-V-5C-M

RP-V-5C-M	
Part Number	SXWRPV5CM10001
Communication	
Communication Interface	BACnet MS/TP, BTL B-AAC
Software	
Programmability	Function Block/Script Programmable
Physical	
Dimensions	168 W x 201 H x 65 D mm (6.6 W x 7.9 H x 2.6 D in.)
Weight (including terminal blocks)	0.972 kg (2.143 lb)
Power	
Power	24 V AC
Consumption	11 VA
Environmental	
Operating Range	0 to 50 °C (32 to 122 °F)
Internals	
CPU	ARM Cortex-A7 single-core
Battery	No
Real-time clock	No
External Features	
Enclosure rating	UL94 V-0
Manual Override of Outputs	Yes, push-button clutch release
Optional cover	No
Intelligent Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors
Sensor Bus or Modbus RTU	Yes
Room Bus	No
Terminals	
I/O terminals	Screw terminals
External Enclosure/Mounting	
Mounting	Over the damper shaft
Certifications	
BTL	Yes
FCC	FCC Part 15, Sub-part B, Class B
REACH	No
Innovation, Science and Economic Development Canada (ISED)	No
UL	UL 916, UL 2043
C-UL US	Yes
CE - EU	Yes
WEEE - Directive of the European Union	Yes
RoHS Directive	Yes
RCM	Yes
eu.bac	No

See the BTL Product Catalog for up-to-date details on BTL listed firmware revisions on BACnet International's home page.

EasyLogic MP-C Controller

EasyLogic MP-C is a multi-purpose, fully programmable, BACnet MS/TP based field controller. The MP-C models offer a flexible mix of I/O point types that suit a wide range of HVAC applications. MP-C can either be used as a standalone field controller or as part of an EcoStruxure BMS with a SpaceLogic AS-P or AS-B server or an Enterprise Server as the parent server.



MP-C 24A-M



MP-C 36A-M

	MP-C-24A-M	MP-C-36A-M
Part Number	SXWMPC24AM10001	SXWMPC36AM10001
Communication		
Communication Interface	BACnet MS/TP, BTL B-AAC	BACnet MS/TP, BTL B-AAC
Software		
Programmability	Function Block/Script Programmable	Function Block/Script Programmable
Physical		
Dimensions	234 W x 110 H x 64 D mm (9.2 W x 4.3 H x 2.5 D in.)	234 W x 110 H x 64 D mm (9.2 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.446 kg (0.983 lb)	0.488 kg (1.076 lb)
Power		
Power	24 V AC	24 V AC
Consumption	10 VA	12 VA
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
Internals		
CPU	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
Battery	No	No
Real-time clock	No	No
External Features		
Enclosure rating	UL94 V-0	UL94 V-0
Manual Override of Outputs	No	No
Optional cover	No	No
Intelligent Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors
Sensor Bus	No	No
Room Bus	No	No
Terminals		
I/O terminals	Screw terminals	Screw terminals
External Enclosure/Mounting		
Mounting	DIN rail or other flat surface inside a cabinet	DIN rail or other flat surface inside a cabinet
Certifications		
BTL	Yes	Yes
FCC	Yes, FCC Part 15, Sub-part B, Class B	Yes, FCC Part 15, Sub-part B, Class B
REACH	No	No
Innovation, Science and Economic Development Canada (ISED)	No	No
UL	UL 916	UL 916
C-UL US	Yes	Yes
CE - EU	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes
RoHS Directive	Yes	Yes
RCM	Yes	Yes
eu.bac	No	No

See the BTL Product Catalog for up-to-date details on BTL listed firmware revisions on BACnet International's home page.

EasyLogic Controllers – Expansion Modules

EasyLogic RP-IO

EasyLogic RP-IO module provides I/O expansion to your HVAC application over BACnet MS/TP. The I/O module can share its I/O resources across applications running in automation servers, RP and MP controllers, or third-party systems. With the support of local alarms and local trend logs, the I/O module avoids unnecessary traffic over the network while being able to log important information locally. The I/O module can be installed near facilities in the field, away from the automation server or the RP or MP controller.



RP-IO-12A-M-24 V



RP-IO-16E-M-24 V

	RP-IO-12A-M-24 V	RP-IO-16E-M-24 V
Part Number	SXWRIOF12AM10001	SXWRIOF16EM10001
Communication		
Communication Interface	BACnet MS/TP, BTL B-ASC	BACnet MS/TP, BTL B-ASC
Physical		
Dimensions	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)	180 W x 110 H x 64 D mm (7.1 W x 4.3 H x 2.5 D in.)
Weight (including terminal blocks)	0.336 kg (0.741 lb)	0.334 kg (0.736 lb)
Power		
Power	24 V AC	24 V AC
Consumption	7 VA	7 VA
Operating Range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
External Features		
Enclosure rating	UL94 V-0, IP 20	UL94 V-0, IP 20
Optional cover	Yes	Yes
Terminals		
I/O terminals	terminal base	Terminal base
External Enclosure/Mounting		
Mounting	DIN rail or flat surface	DIN rail or flat surface
Certifications		
BTL	Yes	Yes
FCC	Yes, FCC Part 15, Sub-part B, Class B	Yes, FCC Part 15, Sub-part B, Class B
REACH	No	No
Innovation, Science and Economic Development Canada (ISED)	No	No
UL	UL 916, UL 2043	UL 916, UL 2043
C-UL US	Yes	Yes
CE - EU	Yes	Yes
WEEE - Directive of the European Union	Yes	Yes
RoHS Directive	Yes	Yes
RCM	Yes	Yes

See the BTL Product Catalog for up-to-date details on BTL listed firmware revisions on BACnet International's home page.

EasyLogic Sensors

EasyLogic Temperatures Sensors – Analog

The EasyLogic Living Space sensor is a cost-effective solution to measure, control and communicate temperature information. These sensors can be connected with Schneider Electric BAS controllers or other third-party systems for hassle-free installation. Available in two user interface options - a blank format for simple functionality or an LCD model with setpoint control.



SLEASLXXB



SLEASXXXB

EasyLogic Sensors - part numbers	
SLEASXXXB	Complete EasyLogic Sensor model with resistive temperature sensor (10 kohm type 3 thermistor) and blank cover
SLEASLXXB	Complete EasyLogic Sensor model with temperature sensor, buttons for setpoint control, and LCD display cover

The EasyLogic Sensor is designed to be connected to I/O points/terminals on RP or MP controllers, or I/O modules. The model with buttons for setpoint control and LCD display (SLEASLXXB) requires two analog inputs (voltage inputs). The model with blank cover (SLEASXXXB) requires one analog input (temperature input).



Additional Resources

Modernize your building management system

Make the transition to EcoStruxure™ Building Operation

Expectations of buildings today have changed - they must be sustainable, resilient, hyper-efficient, and people-centric. If your building management system is not future-ready, you're missing out on advances in technology and IoT-enabled devices that make it possible to significantly lower energy usage, reduce carbon emissions, decrease operating costs and enhance occupant experience.!

Schneider Electric has the robust BMS solutions and technologies to adapt to these evolving demands and maximize your building's performance.

Benefits of modernizing to EcoStruxure Building

Building leads the industry with the most advanced technology and solutions to make buildings smarter, more efficient and future-ready:



Open and scalable integration: system-to-system and system-to-device



The latest IP-enabled infrastructure, hardware and software



Access to cloud-based value-added services and insightful analytics



Features to address flexible building needs and new ways of working



Cybersecurity features are designed-in for enhanced resiliency

Schneider Electric has the tools and pathways to seamlessly modernize your BMS to EcoStruxure Building Operation with minimal disruptions to day-to-day activities.

Our trusted experts will guide you to the latest BMS solution in a step-by-step approach tailored to your specific needs, budget and schedule.



Learn more: <https://www.se.com/ww/en/work/products/building-management/>

EcoStruxure Building Advisor

Simplify your building maintenance

For real impact on carbon and energy reduction, occupant comfort and asset value you need to keep building systems performing optimally while working with limited budgetary and maintenance resources.

EcoStruxure Building Advisor is a suite of analytics and monitoring services that provides key insights into your building operations by constantly monitoring systems and identifying faults to proactively address building inefficiencies.

Benefits of EcoStruxure Building Advisor:



Maintenance

Prioritize issues to fix based on energy, comfort, and equipment impact.



Comfort

Increase occupant comfort and building health by proactively identifying indoor air quality (IAQ) issues.



Performance

Detect, diagnose and take corrective action against energy waste due to inefficient HVAC.



Sustainability

Reduce carbon emissions and extend asset lifetime with condition-based monitoring.

Building Advisor provides peace of mind, ensuring you always have access to continuous monitoring, a comprehensive view of building systems, as well as the identification of faults and inefficiencies to make data driven decisions.



Learn more about EcoStruxure Building Advisor on [se.com](https://www.se.com/ww/en/ecostruxure-building-advisor/#overview-39297330/product-range): <https://www.se.com/ww/en/ecostruxure-building-advisor/#overview-39297330/product-range>

Smart starts at the foundation of the BMS

Connected products are an integral part of EcoStruxure Building, Schneider Electric's open innovative platform of buildings. Inclusive of valves, actuators, sensors and cabling management solutions, connected products help ensure optimal performance and comfort.

Valves, actuators and sensors interpret critical data points, sending real-time responses to changes in the physical environment while connectors and patch panels solve cabling network management challenges.

If connected products are not running at optimal efficiency, neither is the higher level BMS.

How strong is your foundation?



Learn more about our BIM-enabled connected products here:

<https://www.schneider-electric.com/en/work/support/building-information-modelling/>



Please find all sales, marketing and technical documentation on Connected Devices on EcoXpert Extranet:

<https://ecoxpert.se.com>

Engineering efficiency tools; Increase simplicity. Save time.

Automated Engineering Tool (AET)

Drive efficiency and standardization with anytime access to a large selection of standard HVAC applications and components on this cloud-based repository. The AET enables users to create templates based on preexisting engineered solutions and reuse those templates on other projects or for similar applications on the same project.

Search keyword: AET

Project Configuration Tool (PCT)

Produce proven solutions that are high quality and easy to maintain with the PCT, an offline engineering platform used for project configuration, server configuration and deployment. This virtual environment allows engineers to spend less time at the customer site, and design, program, model and analyze solutions in their own offices without the need for physical hardware.

Search keyword: PCT

EcoStruxure Building Commission Mobile App

Conveniently load controller applications, program and configure systems, conduct I/O checkout and air balancing, and more, for SpaceLogic Controllers all from a laptop computer for any IOS, Android, or Windows device. These commissioning activities can be done early in the process even without a network infrastructure in place.

Search keyword: mp-x app

Expert Tool

This PC-based software application helps visualize the configuration of EcoStruxure Building Enterprise Server and SpaceLogic Controllers. The tool enables design commissioning or support engineers to see the relationship between the objects on the folder structure and generate documentation to support the commissioning or support process.

Search keyword: Expert Tool

Selection Tools

Find a range of product selection tools on EcoXpert, including SE8000 and SE7000 Series Room Controllers, EcoStruxure Building Expert, Heat and Flow Meters, and HVAC Sensors, and Power Meters.

Graphic Development Support

Outsource graphics development for building management system and user interface needs to our expert team of highly skilled graphic developers, ACAD engineers and Revit/MEP specialists. They possess expertise in BMS graphics development, Building Information Modeling (BIM), 3D graphics and image rendering.

Search keyword: Graphic Development Support



Please find information on Efficiency Tools on
EcoXpert Extranet:
<https://ecoxpert.se.com>

EcoStruxure™ Security Expert

Your First Line of Defense in Building Security

Protect your building occupants and assets with EcoStruxure Security Expert, an integrated role-based physical access control and intrusion detection solution that unifies your building's security infrastructure and management systems into an easy to manage, single platform that enables faster, more efficient, and potentially life-saving decision making.

Available for small, mid and large enterprise environments, this solution provides extensive data handling capabilities that can store millions of credentials in off-line memory; while functioning independently and maintaining a unique database. Information is encrypted throughout the architecture, and complies with global agency listings. EcoStruxure Security Expert will also easily extend to multiple sites and future business expansions.



One unified view
Connect anywhere from any device



Please find all sales, marketing and technical documentation for EcoStruxure Security Expert on EcoXpert Extranet:
<https://ecoxpert.se.com>

Application-specific Room Controllers

SE7000 and SE8000 Series.

Cost effective alternative to direct digital controls.

Schneider Electric room controllers bridge the gap between the cost of stand-alone thermostats and the performance of DDC systems. They simplify installation and commissioning to control rooftop units, fan coil units, terminal units and heat pump applications in a wide variety of facilities. Our series of intelligent room controllers provide comfort and energy savings using their native application-specific control sequences, PID algorithms, occupancy detection and schedule management.

SE8000 Series

With rich, customizable features, the SE8000 Series enables significant energy savings with accurate temperature control in any space. The SE8000 room controllers can be easily integrated into most BMSs as well as to communicate wirelessly for ease of installation, flexibility and scalability.

SE7000 Series

The SE7000 digital controllers offer easy-to-install, thermostat-like functionality that sense occupancy and adjust set-point or fan speed control. Easily integrate into BMSs. The wireless versions of the SE7000 provide a simple yet powerful solution which targets retrofit installations where running new communication wiring is prohibitive.



Please find all sales, marketing and technical documentation for Room Controllers on EcoXpert Extranet:
<https://ecoxpert.se.com>

Quick Links

Digital Tools and Resources

EcoXpert™ Extranet

<https://ecoxpert.se.com/>

Selection and Demo Tools

<https://ecoxpert.se.com/tools>

Building Automation Knowledge Base

https://community.se.com/t5/Building-Automation-Knowledge/tkb-p/knowledge-base_public

Customer Care

<https://www.se.com/ww/en/work/support/country-selector/contact-us.jsp>

Sales, Marketing and Thought Leadership

Schneider Electric Website

www.se.com

Customer Success Stories

<https://www.se.com/ww/en/work/campaign/life-is-on/life-is-on.jsp>

Schneider Electric Videos

<https://www.youtube.com/channel/UCnpgjEw2RHDBNVGDe8pl7tw>

Schneider Electric Blog

<https://blog.se.com/buildings/>



Please find more EcoStruxure information on
EcoXpert Extranet:

<https://ecoxpert.se.com>

Notes

Life Is On



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June 2025

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998-20312057