

# Product Selection Guide

EcoStruxure™ Building  
Integrated building management system





## Unlock building value, unleash productivity

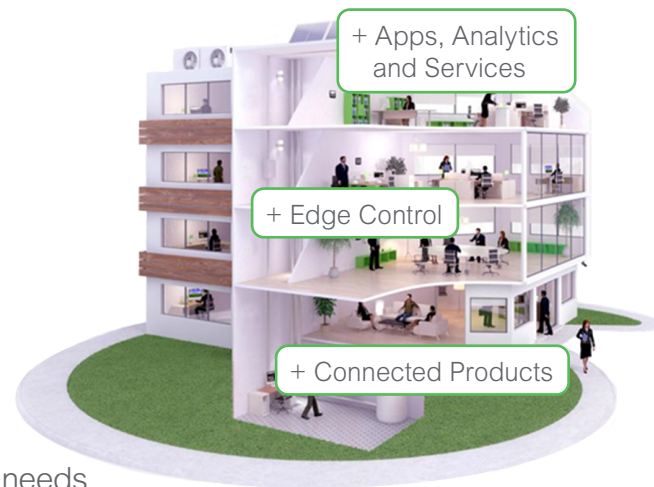
Next generation EcoStruxure™ Building from Schneider Electric is The Open Innovation Platform of Buildings – a collaborative Internet of Things (IoT) solution that features a scalable, secure and global architecture to create future-ready smart buildings.

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 prepare their infrastructure for **future 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.

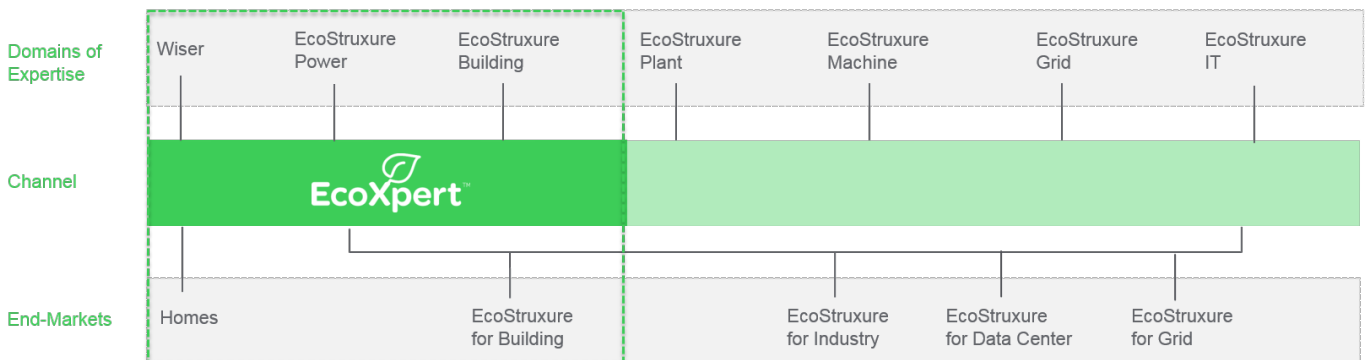
Innovating smarter buildings, more reliable infrastructures, and optimized efficiency.

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>

# Table of Contents

EcoStruxure™ Building Operation .....	E2
Functionality matrix .....	E7
SpaceLogic Automation Server V3 – Premium .....	E9
SpaceLogic Server – AS-P .....	E10
Power Supply and Terminal Bases .....	E12
I/O Modules.....	E13
I/O Modules – Inputs and Outputs .....	E17
SpaceLogic Server – AS-B .....	E19
SpaceLogic Server – AS-B – Inputs and Outputs .....	E20
Accessories .....	E20

SpaceLogic Touchscreen Room Controllers.....	S1
--	----

SpaceLogic Controllers – RP-C Advanced .....	S6
SpaceLogic Controllers - RP-C Pro.....	S8
SpaceLogic Controllers - RP-C Pro Plus .....	S10
SpaceLogic Controllers - RP-V Advanced .....	S12
SpaceLogic RP Controllers - Expansion Modules .....	S13
SpaceLogic Room Sensors .....	S17
EcoStruxure Building Commission Mobile App .....	S19
EcoStruxure Engage Mobile App.....	S19
Glass Touch Panels and TC900 Series Fan Coil Thermostats	S19

SpaceLogic Twisted Pair Adapter .....	S22
SpaceLogic Controllers - MP-C.....	S23
SpaceLogic Controllers - MP-V .....	S25
SpaceLogic Controllers - IP-IO.....	S28

SpaceLogic Living Space Sensors .....	S34
---------------------------------------	-----

EasyLogic RP-C Controller .....	B2
EasyLogic RP-V Controller.....	B3
EasyLogic MP-C Controller.....	B4
EasyLogic RP-IO.....	B5
EasyLogic Sensors .....	B5

Learn more about other offers .....	A2-A7
-------------------------------------	-------

## 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**, is the software-only counterpart 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** features provide 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, Building Operation maintains a complete archive of all system

**EcoStruxure™ Building Operation software version 7.x** 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:

events, consolidated into one reporting structure for effortless search and retrieval. It complies with FDA 21 CFR Part 11 and ALCOA principles.

**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.

## 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 advanced integration capabilities, external log storage and zoning	Add more functionality for highly regulated facilities
<b>Essential Features</b>	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
<b>Advanced Features</b>	Meter Management*	Yes	Yes	Yes
	External Log Storage – Timescale, MS-SQL	–	Yes	Yes
	Integration Capabilities – MQTT, SNMP, OPC UA Client and Server, LonWorks, I/NET, NW8k, Infinet, WebServices	–	Yes	Yes
	SAML, 2.0 Authentication	–	Yes	Yes
<b>Advanced Plus Features</b>	Zoning	–	Yes	Yes
	Integration Capabilities – AVEVA Pi	–	–	Yes
	Change Control	–	–	Yes
<b>Clients</b>	PDF Digital Signing	–	–	Yes
	Concurrent Clients (included)	3	Unlimited	Unlimited
<b>Updates</b>	Access to the latest software releases	Yes	Yes	Yes
<b>Engineering tools sold separately</b>	•Editors: Workstation Pro, Function Block Editor, Script Editor, Graphics Editor •Smart Connector and Extensions			

(\*) Formerly known as Sustainability pack.

## EBO 7.x Licenses and Part Numbers

The configuration of EBO software licenses is managed through EcoStruxure Power and Building Software Companion, accessible by EcoXpert™ partners and Schneider Electric representatives. The tool provides a single pane of glass to manage software license configurations over the lifetime of a system. Quote, order, view, activate, manage and share from one portal – for one building or an entire portfolio.

The part number overview below provides a full list of parts available for EBO 7.x. Remember to always use the Power and Buildings Software Companion tool to create your bill of materials for your software licensing order.

### Initial Licenses

For new EBO systems and for expansions of existing systems, the following part numbers are used when configuring the system license. By default, a new system license has a duration of 3 years from the day of issuing the system license. For expansions added to an existing system, the duration of the expansion will match the remaining duration of the existing system license. The same part numbers are used for new systems and expansions.

\*Note: Always use the Power and Buildings Software Companion tool to build your bill of material for a system initial license.

## EcoStruxure™ Building Operation (continued)

### Initial Licenses (continued)

Part Number	Product Name	Description
<b>Enterprise Central</b>		
ESWC00ECT1000T	EC Essential	Initial license for Enterprise Central Essential. Duration based on system term.
ESWC00ECT2000T	EC Advanced	Initial license for Enterprise Central Advanced. Duration based on system term.
ESWC00ECT3000T	EC Advanced Plus	Initial license for Enterprise Central Advanced Plus. Duration based on system term.
<b>Enterprise Server</b>		
ESWC00EST1000T	ES Essential	Initial license for Enterprise Server Essential. Duration based on system term.
ESWC00EST2000T	ES Advanced	Initial license for Enterprise Server Advanced. Duration based on system term.
ESWC00EST3000T	ES Advanced Plus	Initial license for Enterprise Server Advanced Plus. Duration based on system term.
<b>Automation Server</b>		
ESWC00AST1000T	AS Essential	Initial license for Automation Server Essential. Duration based on system term.
ESWC00AST2000T	AS Advanced	Initial license for Automation Server Advanced. Duration based on system term.
ESWC00AST3000T	AS Advanced Plus	Initial license for Automation Server Advanced Plus. Duration based on system term.
<b>Connected Devices</b>		
ESWC00CD10000T	Connected Devices 10	Initial license for 10 Connected Devices. Duration based on system term.

### Renewal Licenses

EBO 7.x system licenses can be renewed using the following part numbers. These part numbers are also used for upgrading old EBO systems to EBO 7.x.

\*Note: Always use the Power and Buildings Software Companion tool to build your bill of material for a system renewal or system upgrade license.

Part Number	Product Name	Description
<b>Enterprise Central</b>		
ESWC00ECT10001	EC Essential Renewal 1Y	1 year renewal for Enterprise Central Essential.
ESWC00ECT10003	EC Essential Renewal 3Y	3 years renewal for Enterprise Central Essential.
ESWC00ECT20001	EC Advanced Renewal 1Y	1 year renewal for Enterprise Central Advanced.
ESWC00ECT20003	EC Advanced Renewal 3Y	3 years renewal for Enterprise Central Advanced.
ESWC00ECT30001	EC Advanced Plus Renewal 1Y	1 year renewal for Enterprise Central Advanced Plus.
ESWC00ECT30003	EC Advanced Plus Renewal 3Y	3 years renewal for Enterprise Central Advanced Plus.
<b>Enterprise Server</b>		
ESWC00EST10001	ES Essential Renewal 1Y	1 year renewal for Enterprise Server Essential.
ESWC00EST10003	ES Essential Renewal 3Y	3 years renewal for Enterprise Server Essential.
ESWC00EST20001	ES Advanced Renewal 1Y	1 year renewal for Enterprise Server Advanced.
ESWC00EST20003	ES Advanced Renewal 3Y	3 years renewal for Enterprise Server Advanced.
ESWC00EST30001	ES Advanced Plus Renewal 1Y	1 year renewal for Enterprise Server Advanced Plus.
ESWC00EST30003	ES Advanced Plus Renewal 3Y	3 years renewal for Enterprise Server Advanced Plus.
<b>Automation Server</b>		
ESWC00AST10001	AS Essential Renewal 1Y	1 year renewal for Automation Server Essential.
ESWC00AST10003	AS Essential Renewal 3Y	3 years renewal for Automation Server Essential.
ESWC00AST20001	AS Advanced Renewal 1Y	1 year renewal for Automation Server Advanced.
ESWC00AST20003	AS Advanced Renewal 3Y	3 years renewal for Automation Server Advanced.
ESWC00AST30001	AS Advanced Plus Renewal 1Y	1 year renewal for Automation Server Advanced Plus.
ESWC00AST30003	AS Advanced Plus Renewal 3Y	3 years renewal for Automation Server Advanced Plus.
<b>Connected Devices</b>		
ESWC00CR100001	Connected Devices 10 Renewal 1Y	1 year renewal for 10 Connected Devices.
ESWC00CR100003	Connected Devices 10 Renewal 3Y	3 years renewal for 10 Connected Devices.

## EcoStruxure™ Building Operation (continued)

### Change of Tier

The following part numbers enable an upgrade of the tier of the system license. Note that an upgrade of the system tier is prorated towards the remaining period of the system license, and therefore an upgrade is purchased as a monthly multiple of the upgrade part, with the multiplier matching the number of months remaining to the renewal date.

It is also possible to downgrade the tier at the time of renewal. A downgrade does not require a part number to be applied; it is handled by the Power and Buildings Software Companion.

\*Note: Always use the Power and Buildings Software Companion tool to build your bill of material for an EBO tier change.

Part Number	Product Name	Description
<b>Enterprise Central</b>		
ESWC00ECT1200M	EC Essential to Advanced upgrade 1M	Upgrade tier from Essential to Advanced for Enterprise Central. 1 month.
ESWC00ECT2300M	EC Advanced to Advanced Plus upgrade 1M	Upgrade tier from Advanced to Advanced Plus for Enterprise Central. 1 month.
<b>Enterprise Server</b>		
ESWC00EST1200M	ES Essential to Advanced upgrade 1M	Upgrade tier from Essential to Advanced for Enterprise Server. 1 month.
ESWC00EST2300M	ES Advanced to Advanced Plus upgrade 1M	Upgrade tier from Advanced to Advanced Plus for Enterprise Server. 1 month.
<b>Automation Server</b>		
ESWC00AST1200M	AS Essential to Advanced upgrade 1M	Upgrade tier from Essential to Advanced for Automation Server. 1 month.
ESWC00AST2300M	AS Advanced to Advanced Plus upgrade 1M	Upgrade tier from Advanced to Advanced Plus for Automation Server. 1 month.

### Standalone Automation Server

The EBO 7.0 Standalone Automation Server license option provides an entry-point option to address small system opportunities by using the Automation Server at a competitive price point where full flexibility is not needed.

The Standalone Automation Server license provides the full capacity and capabilities of the SpaceLogic Automation Server, with the only limitations being that it is locked to the Advanced Tier of the EcoStruxure Building Operation feature set, and it does not support a connection to an Enterprise Server.

\*Note: Always use the Power and Buildings Software Companion tool to build your bill of material for a Standalone Automation Server initial license

Part Number	Product Name	Description
ESWC00ASSA000T	AS Standalone	Initial license for Automation Server Standalone.

### Standalone Automation Server Renewal

EBO 7.x Standalone Automation Server licenses can be renewed using the following part numbers.

\*Note: Always use the Power and Buildings Software Companion tool to build your bill of material for a system renewal.

Part Number	Product Name	Description
ESWC00ASSA0001	AS Standalone Renewal 1Y	1 year renewal for Automation Server Standalone.
ESWC00ASSA0003	AS Standalone Renewal 3Y	3 year renewal for Automation Server Standalone.

\*Note: These part numbers cannot be used to upgrade old EBO servers to EBO 7.x. For such upgrades, please use the regular Automation Server system Renewal part numbers.

## EcoStruxure™ Building Operation (continued)

### Converting a Standalone Automation Server to enable system growth

The Standalone Automation Server is limited to operating in standalone mode and does not support connection to an Enterprise Server. The following part number is used to convert a Standalone Automation Server (EBO 7.x) into a regular Automation Server in order to enable growth of the system and unleash the full capabilities of the Automation Server and its ability to connect to an Enterprise Server system. After the conversion, the Automation Server tier will default to Advanced.

\*Note: Always use the Power and Buildings Software Companion tool to build your bill of material for a Standalone Automation conversion.

Part Number	Product Name	Description
ESWC00ASSAC00T	AS Standalone Convert to AS Advanced	Convert Automation Server Standalone to Advanced.

### WorkStation Pro Client

Part Number	Product Name	Description
<b>WorkStation Pro and Editors</b>		
SXSWWORK00002	WorkStation Professional	A full environment for operating and engineering all aspects of EcoStruxure Building Operation
SXSWEDIT00001	Editors	An environment that provides the ability to edit Graphics, Script programs and Function Block programs.
SXSWEDIT00002	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
<b>Smart Connector Server</b>		
SXSWSCDL100001	Smart Connector Deployment License	Allows the Smart Connector application to be deployed to a single server
<b>Smart Connector Extensions*</b>		
SXSWSCEXT0010	Extension - Hilton OnQ	Enables communication between the Hilton OnQ PMS system and EcoStruxure Building Operation
SXSWSCEXT0020	Extension - Oracle Opera PMS	Enables communication between Oracle Opera (micros) booking system applications and EcoStruxure Building Operation
SXSWSCEXT0030	Extension - Gladstone Room Booking	Enables communication between Gladstone Room Booking Services and EcoStruxure Building Operation
SXSWSCEXT0040	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
SXSWSCEXT0050	Extension - GuestCentrix PMS	Enables communication between GuestCentrix booking system applications and EcoStruxure Building Operation
SXSWSCEXT0060	Extension - Openweather Map	A Weather Service interface that enables current weather and forecasts to be hosted within EcoStruxure
SXSWSCEXT0070	Extension - Teltonika SMS Alarms	Connects EcoStruxure to a Teltonika SMS modem and polls for alarms to be sent from offline sites
SXSWSCEXT0075	Extension - Teltonika SMS SMTP	Alarm relay interface accepting email alarms from EcoStruxure to be sent over either email, SMS or Both
SXSWSCEXT0080	Extension - HotSOS Housekeeping	Sends Housekeeping information (DND, MUR, Occupancy information) to EcoStruxure Building Operation
SXSWSCEXT0090	Extension - Microsoft SQL Server	Enables SQL Queries to be executed against a MS SQL Server and results transferred into EcoStruxure Building Operation
SXSWSCEXT0100	Extension - SNMP	SNMP listener to receive SNMP information from third party SNMP devices
SXSWSCEXT0110	Extension - EVlink EVCE	Enables integration between EcoStruxure Charging Expert and EcoStruxure Building Operation

(\*) These extensions for integration to 3<sup>rd</sup> party systems and data sources are available for ordering from Schneider Electric. In order to deploy these extensions, a SmartConnector deployment license is required (SXSWSCDL100001) 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 <sup>1</sup>	WorkStation Pro <sup>2</sup>	WebStation
<b>Semantics</b>			
Navigate, Search, Filter, View semantic descriptions	Yes	Yes	Yes
Create and edit semantic descriptions	Yes	Yes	-
<b>Dashboards</b>			
View dashboards	-	-	Yes
Create and edit public dashboards	Yes <sup>3</sup>	Yes <sup>3</sup>	Yes
Create and edit personal dashboards	-	-	Yes
View slide shows	-	-	Yes
Create and edit slide shows	Yes	Yes	Yes
Develop custom dashboard components	-	Yes	-
<b>Zoning</b>			
Graphical management	-	-	Yes <sup>4</sup>
Textual management	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>
<b>Alarms</b>			
View alarms	Yes	Yes	Yes
Manage alarms	Yes	Yes	Yes
Edit alarms	Yes	Yes	Yes <sup>5</sup>
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
<b>BACnet™</b>			
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	-
<b>Graphics</b>			
View graphics	Yes	Yes	Yes
Create and edit graphics	-	Yes	-
View graphics that use client API	-	-	Yes
Create graphics that use client API	-	Yes	-
<b>Trend Logs and Extended Trend Logs</b>			
View trend logs	Yes	Yes	Yes
Edit trend logs	Yes	Yes	Yes
Create trend logs	Yes	Yes	Yes <sup>6</sup>
View multi trend log lists	Yes	Yes	Yes
Create and edit multi trend log lists	Yes	Yes	Yes
Export multi trend log lists	Yes <sup>7</sup>	Yes <sup>7</sup>	Yes <sup>8</sup>
View extended trend logs	Yes	Yes	Yes
Edit extended trend logs	Yes	Yes	Yes
Create extended trend logs	Yes	Yes	-
<b>LonWorks</b>			
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
<b>Modbus®</b>			
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 <sup>9</sup>	WorkStation Pro <sup>10</sup>	WebStation
View values	Yes	Yes	Yes
Edit values	Yes	Yes	Yes
<b>Point Values</b>			
View values	Yes	Yes	Yes
Edit values (for example, change a setpoint)	Yes	Yes	Yes
<b>Programs</b>			
Create and edit customised programs	–	Yes	–
View Function Block program in Graphics Viewer	Yes	Yes	Yes
<b>Notification Reports</b>			
Create and edit reports	Yes	Yes	–
<b>Schedules and Calendars</b>			
View schedules and calendars	Yes	Yes	Yes
Edit schedules and calendars	Yes	Yes	Yes <sup>11</sup>
Create schedules and calendars	Yes	Yes	–
Create multi schedule views	Yes	Yes	Yes
Edit and manage schedules in multi schedule view	–	–	Yes
<b>Users and User Groups</b>			
Create and edit users	Yes	Yes	Yes <sup>12</sup>
Create and edit user group membership	Yes	Yes	Yes <sup>12</sup>
Create and edit user groups	Yes	Yes	–
Create and edit permissions	Yes	Yes	–
<b>User Experience</b>			
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 <sup>13</sup>	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
<b>Other</b>			
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 <sup>14</sup>
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.

## SpaceLogic Automation Server V3 – Premium

The SpaceLogic Automation Server V3 Premium is an EcoStruxure server device at the Edge Level of the architecture. With superior performance, it simplifies system integration and modernization, and is the preferred choice for large, complex enterprise applications.



AS-P-3

	AS-P-3	AS-P-L-3
<b>Part Number</b>	<b>SXWASP3XX10001</b>	<b>SXWASPL3X10001</b>
<b>Communication</b>		
<b>Communication Interface</b>	BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client + Server), Modbus Serial (Master + Slave), EWS, Generic WebServiceConsume, OPC UA Client	BACnet/IP, BACnet/SC (node, hub and router), BACnet MS/TP, Modbus TCP (Client + Server), Modbus Serial (Master + Slave), EWS, Generic WebServiceConsume, OPC UA Client, LonWorks FTT-10
<b>Ethernet</b>	1 No. 1GB & 2 No. 100MB Ports	1 No. 1GB & 2 No. 100MB Ports
<b>RS485</b>	3 No.	2 No.
<b>LonWorks FTT-10</b>	0	1 No.
<b>USB Device Port</b>	1 No. USB 3.0 Type-C	1 No. USB 3.0 Type-C
<b>USB Host Port</b>	2 No. USB 2.0 or 1 No. USB 3.0 Type-A	2 No. USB 2.0 or 1 No. USB 3.0 Type-A
<b>I/O Expansion</b>	Yes - Up to 29 modules/464 max I/O	Yes - Up to 29 modules/464 max I/O
<b>Software</b>		
<b>Programability</b>	Function Block/Script Programmable	Function Block/Script Programmable
<b>BACnet</b>		
<b>Device Profile</b>	B-BC	B-BC
<b>Physical</b>		
<b>Dimensions</b>	180 W x 114 H x 64 D mm (7.1 W x 4.5 H x 2.5 D in.)	180 W x 114 H x 64 D mm (7.1 W x 4.5 H x 2.5 D in.)
<b>Weight (including terminal blocks)</b>	0.571 kg (1.26 lb)	0.571 kg (1.26 lb)
<b>Power</b>		
<b>Power</b>	24 V AC, 50/60 Hz (includes power supply)	24 V AC, 50/60 Hz (includes power supply)
<b>Consumption</b>	40 W	40 W
<b>Environmental</b>		
<b>Operating Range</b>	0 °C to 55 °C (32 °F to 131 °F) 0-95 % RH (non-condensing)	0 °C to 55 °C (32 °F to 131 °F) 0-95 % RH (non-condensing)
<b>CPU Internals</b>		
<b>CPU</b>	2 GHz ARM Cortex-A72 dual-core	2 GHz ARM Cortex-A72 dual-core
<b>RAM</b>	2 GB	2 GB
<b>eMMC</b>	32 GB	32 GB
<b>Memory backup</b>	Yes, battery -free, no maintenance	Yes, battery -free, no maintenance
<b>Real time clock</b>	Yes -10 days backup at 25 °C	Yes -10 days backup at 25 °C
<b>External Features</b>		
<b>Enclosure rating</b>	UL94 V-0, IP 20	UL94 V-0, IP 20
<b>Digital Status LEDs</b>	3 RS-485 ports, 3 Ethernet ports, 1 Unit Status	2 RS-485 ports, 1 LON port, 3 Ethernet ports, 1 Unit Status
<b>External Enclosure/Mounting</b>		
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>		
<b>BTL</b>	No	No
<b>FCC</b>	CFR 47, Part 15, Class A (Emission)	CFR 47, Part 15, Class A (Emission)
<b>Industry Canda (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>CE - EU</b>	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes
<b>RCM</b>	Yes	Yes
<b>UL-864</b>	No	No

\*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

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
<b>Part Number</b>	<b>SXWASPXXX10001</b>	<b>SXWASPXXX10002</b>	<b>SWXASPXXX1S001</b>
<b>Communication</b>			
<b>Communication Interface</b>	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
<b>Software</b>			
<b>Programability</b>	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>			
<b>Dimensions</b>	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.)
<b>Weight (including baseplate)</b>	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)
<b>Power</b>			
<b>Power</b>	24 V DC	24 V DC	24 V DC
<b>Consumption</b>	10 W	10 W	10 W
<b>Environmental</b>			
<b>Operating Range</b>	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)
<b>CPU Internals</b>			
<b>CPU</b>	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core
<b>Memory</b>	4 GB	4 GB	4 GB
<b>Battery</b>	No	No	No
<b>Real time clock</b>	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor
<b>External Features</b>			
<b>Enclosure rating</b>	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)
<b>HOA Switches (DO/AO)</b>	N/A	N/A	N/A
<b>Manual Override of Outputs</b>	N/A	N/A	N/A
<b>Digital Status LEDs</b>	Yes	Yes	Yes
<b>Service Port</b>	Yes	Yes	Yes
<b>Terminals</b>			
<b>I/O Expansion</b>	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
<b>External Enclosure/Mounting</b>			
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>			
<b>BTL</b>	Yes	Yes	Yes
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>Industry Canda (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes	Yes	Yes
<b>CE - EU</b>	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes
<b>US Patent</b>	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
<b>UL-864</b>	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.

## SpaceLogic Server – AS-P (continued)



AS-P

	AS-P-S Secure Boot	AS-P-NLS Secure Boot	AS-P-NLS-SMK Secure Boot
<b>Part Number</b>	<b>SXWASPSBX10001</b>	<b>SXWASPSBX10002</b>	<b>SXWASPSBX1S002</b>
<b>Other Models</b>	AS-P-SBA		
<b>Part Number (Buy American Act Compliant)</b>	SXWASPSBX10A01 SXWASPSBXB10A01*		
<b>Communication</b>	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
<b>Software</b>			
<b>Programability</b>	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>			
<b>Dimensions</b>	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.)
<b>Weight (including baseplate)</b>	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)	0.245 kg (0.54 lb)
<b>Power</b>			
<b>Power</b>	24 V DC	24 V DC	24 V DC
<b>Consumption</b>	10 W	10 W	10 W
<b>Environmental</b>			
<b>Operating Range</b>	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)
<b>CPU Internals</b>			
<b>CPU</b>	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core
<b>Memory</b>	4 GB	4 GB	4 GB
<b>Battery</b>	No	No	No
<b>Real time clock</b>	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor
<b>External Features</b>			
<b>Enclosure rating</b>	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)
<b>HOA Switches (DO/AO)</b>	N/A	N/A	N/A
<b>Manual Override of Outputs</b>	N/A	N/A	N/A
<b>Digital Status LEDs</b>	Yes	Yes	Yes
<b>Service Port</b>	Yes	Yes	Yes
<b>Terminals</b>			
<b>I/O Expansion</b>	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
<b>External Enclosure/ Mounting</b>			
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>			
<b>BTL</b>	Yes	Yes	Yes
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>Industry Canda (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes	Yes	Yes
<b>CE - EU</b>	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes
<b>US Patent</b>	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
<b>UL-864</b>	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.



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)



\*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
<b>Power Requirements - Input only I/O</b>	<b>24 V DC Power</b>
DI-16	1.6 W
RTD-DI-16	1.6 W
UI-16	1.8 W
<b>Power Requirements - Output only I/O</b>	<b>24 V DC Power</b>
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
<b>Power Requirements - Mixed I/O</b>	<b>24 V DC Power</b>
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
<b>Part Number</b>	<b>SXWUI16XX10001</b>	<b>SXWDI16XX10001</b>	<b>SXWAO8XXX10001, SXWAO8HXX10001</b>
<b>Physical</b>			
<b>Dimensions</b>	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.)
<b>Weight (including baseplate)</b>	0.269 kg (0.59 lb.)	0.255 kg (0.56 lb.)	0.279 kg (0.62 lb.)
<b>Power</b>			
<b>Power</b>	24 V DC	24 V DC	24 V DC
<b>Consumption</b>	1.8 W	1.6 W	0.7 W
<b>Environmental</b>			
<b>Operating Range</b>	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)
<b>External Features</b>			
<b>Enclosure rating</b>	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)
<b>HOA Switches (DO/AO)</b>	No	No	Available on -H model
<b>Digital Status LEDs</b>	Yes	Yes	No
<b>Service Port</b>	No	No	No
<b>Terminals</b>			
<b>I/O Terminals</b>	Terminal base	Terminal base	Terminal base
<b>External Enclosure/Mounting</b>			
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>			
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>Industry Canada (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	No	No	No
<b>CE - EU</b>	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes
<b>US Patent</b>	7 994 438	7 994 438	7 994 438

## 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
<b>Part Number</b>	<b>SXWAOV8XX10001, SXWAOV8HX10001</b>	<b>SXWDOA12X10001, SXWDOA12H10001</b>	<b>SXWDOC8XX10001, SXWDOC8HX10001</b>
<b>Physical</b>			
<b>Dimensions</b>	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.)
<b>Weight (including baseplate)</b>	0.279 kg (0.62 lb.)	0.317 kg (0.70 lb.)	0.332 kg (0.73 lb.)
<b>Power</b>			
<b>Power</b>	24 V DC	24 V DC	24 V DC
<b>Consumption</b>	0.7 W	1.8 W	2.2 W
<b>Environmental</b>			
<b>Operating Range</b>	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)
<b>External Features</b>			
<b>Enclosure rating</b>	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)
<b>HOA Switches (DO/AO)</b>	Available on -H model	Available on -H model	Available on -H model
<b>Digital Status LEDs</b>	No	Yes	Yes
<b>Service Port</b>	No	No	No
<b>Terminals</b>			
<b>I/O Terminals</b>	Terminal base	Terminal base	Terminal base
<b>External Enclosure/Mounting</b>			
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>			
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>Industry Canada (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	No	No	Yes
<b>CE - EU</b>	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes
<b>US Patent</b>	2002/96/EC	2002/96/EC	2002/96/EC

## 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
<b>Part Number</b>	<b>SXWUI8A4X10002, SXWUI8A4H10002</b>	<b>SXWUI8V4X10002, SXWUI8V4H10002</b>	<b>SXWUI8D4X10002, SXWUI8D4H10002</b>
<b>Physical</b>			
<b>Dimensions</b>	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.)
<b>Weight (including baseplate)</b>	0.276 kg (0.61 lb.)	0.276 kg (0.61 lb.)	0.304 kg (0.67 lb.)
<b>Power</b>			
<b>Power</b>	24 V DC	24 V DC	24 V DC
<b>Consumption</b>	3.2 W	1.0 W	1.9 W
<b>Environmental</b>			
<b>Operating Range</b>	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)
<b>External Features</b>			
<b>Enclosure rating</b>	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)
<b>HOA Switches (DO/AO)</b>	Available on -H model	Available on -H model	Available on -H model
<b>Digital Status LEDs</b>	Yes	Yes	Yes
<b>Service Port</b>	No	No	No
<b>Terminals</b>			
<b>I/O Terminals</b>	Terminal base	Terminal base	Terminal base
<b>External Enclosure/Mounting</b>			
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>			
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>Industry Canada (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes	Yes	Yes
<b>CE - EU</b>	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes
<b>US Patent</b>	7 994 438	7 994 438	7 994 438

I/O Modules (continued)



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

<b>RTD-DI-16</b>	
<b>Part Number</b>	<b>SXWRTD16X10001</b>
<b>Physical</b>	
<b>Dimensions</b>	90 W x 114 H x 64 D mm (3.60 W x 4.50 H x 2.50 D in.)
<b>Weight (including baseplate)</b>	0.269 kg (0.59 lb.)
<b>Power</b>	
<b>Power</b>	24 V DC
<b>Consumption</b>	1.6 W
<b>Environmental</b>	
<b>Operating Range</b>	0 °C to 50 °C (32 °F to 122 °F) 0-95 % RH (non-condensing)
<b>External Features</b>	
<b>Enclosure rating</b>	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)
<b>HOA Switches (DO/AO)</b>	No
<b>Digital Status LEDs</b>	Yes
<b>Service Port</b>	No
<b>Terminals</b>	
<b>I/O Terminals</b>	Terminal base
<b>External Enclosure/Mounting</b>	
<b>Mounting</b>	DIN-rail or wall mount
<b>Certifications</b>	
<b>FCC</b>	47 CFR § 15, Class B (Emission)
<b>Industry Canada (IC)</b>	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes
<b>CE - EU</b>	Yes
<b>WEEE - Directive of the European Union</b>	Yes
<b>RoHS Directive</b>	Yes
<b>RCM</b>	Yes
<b>US Patent</b>	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
<b>Part Number</b>	SXWU116XX10001	SXWD116XX10001	SXWAO8XXX10001, SXWAO8HXX10001	SXWAOV8XX10001, SXWAOV8HX10001	SXWDOA12X10001, SXWDOA12H10001	SXWDOC8XX10001, SXDWC8HX10001
<b>Universal Inputs</b>	<b>16</b>					
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						
<b>Digital Inputs</b>		<b>16</b>				
Digital Contact		•				
Counter - Low Speed						
Counter - Medium Speed		•				
Counter - High Speed						
<b>Digital Outputs</b>					<b>12</b>	<b>8</b>
Form A, SPST					•	
Form C, SPDT						•
Triac						
<b>Analog Outputs</b>			<b>8</b>	<b>8</b>		
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)
<b>Part Number</b>	<b>SXWASB24(X,H)10001</b>	<b>SXWASB36(X,H)10001</b>
<b>Other models</b>	<b>AS-B-24(H)P</b>	<b>AS-B-36(H)P</b>
<b>Part Numbers</b>	<b>SXWASB24PX10001, SXWASB24HP10001 (hardware only, no software included)</b>	<b>SXWASB36PX10001, SXWASB36HP10001 (hardware only, no software included)</b>
<b>Communication</b>		
<b>Communication Interface</b>	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
<b>Software</b>		
<b>Programmability</b>	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>		
<b>Dimensions</b>	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.)
<b>Weight (including baseplate)</b>	0.504 kg (1.111 lb)	0.504 kg (1.111 lb)
<b>Power</b>		
<b>Power</b>	24 V AC/DC	24 V AC/DC
<b>Consumption</b>	10 W	10 W
<b>Environmental</b>		
<b>Operating Range</b>	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)
<b>CPU Internals</b>		
<b>CPU</b>	SPEAr320S, ARM926 core	SPEAr320S, ARM926 core
<b>Memory</b>	4 GB	4 GB
<b>Battery</b>	No	No
<b>Real time clock</b>	Yes -10 days backup/Super Capacitor	Yes -10 days backup/Super Capacitor
<b>External Features</b>		
<b>Enclosure rating</b>	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)	ABS/PC, UL94 5VB, IP 20 (<12.5 mm protection)
<b>HOA Switches (DO/AO)</b>	N/A	N/A
<b>Manual Override of Outputs</b>	Yes - On 'H' model	Yes - On 'H' model
<b>Digital Status LEDs</b>	Yes	Yes
<b>Service Port</b>	Yes	Yes
<b>Terminals</b>		
<b>I/O Expansion</b>	No	No
<b>External Enclosure/Mounting</b>		
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>		
<b>BTL</b>	Yes	Yes
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>Industry Canada (IC)</b>	ICES-003 (Emission)	ICES-003 (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes	Yes
<b>CE - EU</b>	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes
<b>RCM</b>	Yes	Yes
<b>US Patent</b>	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
SXWSWMTTXRW01	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 (HMIs)

### 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.

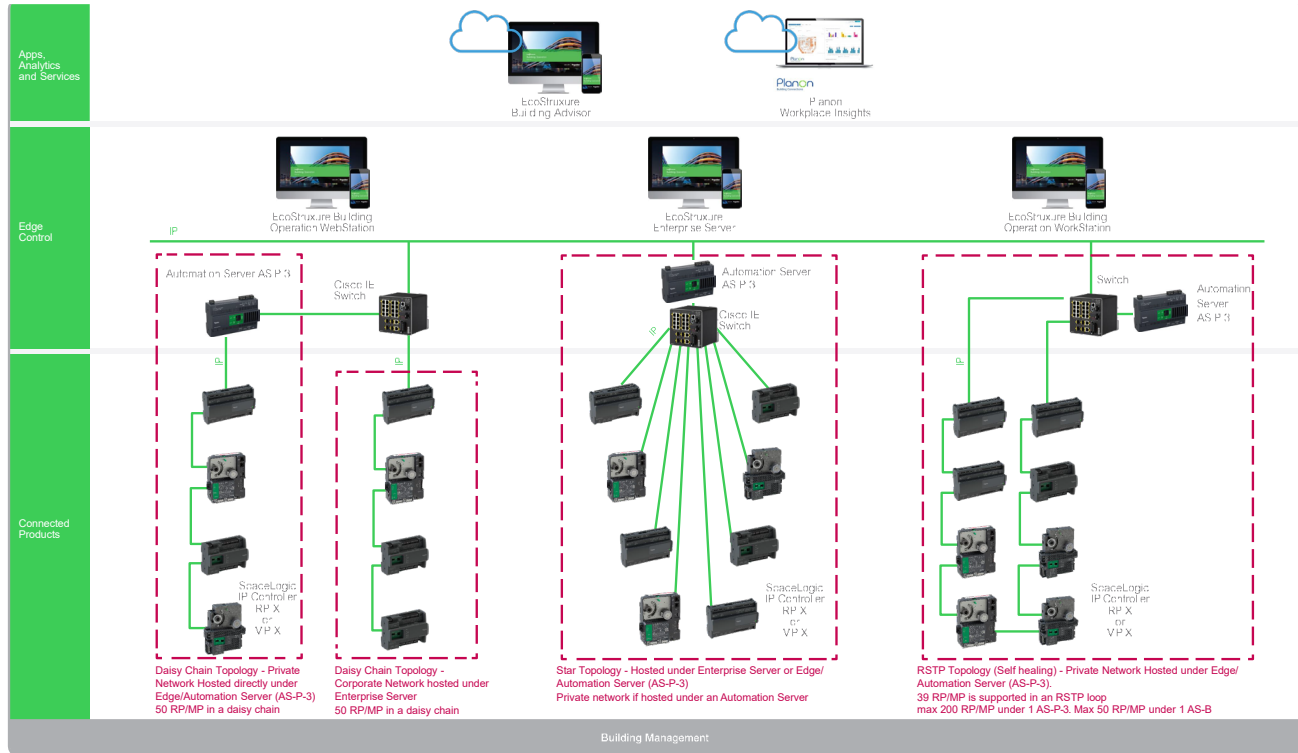


Part Number	Product Name	Description
SXWZBAUSB10001	ZB-A-USB	SpaceLogic Wireless Adapter - Advanced for the AS-P, AS-B and RP Series controllers
SXWUSBCRA10001	USB-CRA	USB adapter plastic mounting cradle and wall plate
SXWUSBCBL10001	USB-CBL-1	USB Extension Cable of Length 1 m (3 ft)
SXWUSBCBL10002	USB-CBL-3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

[List of supported wireless devices](#)

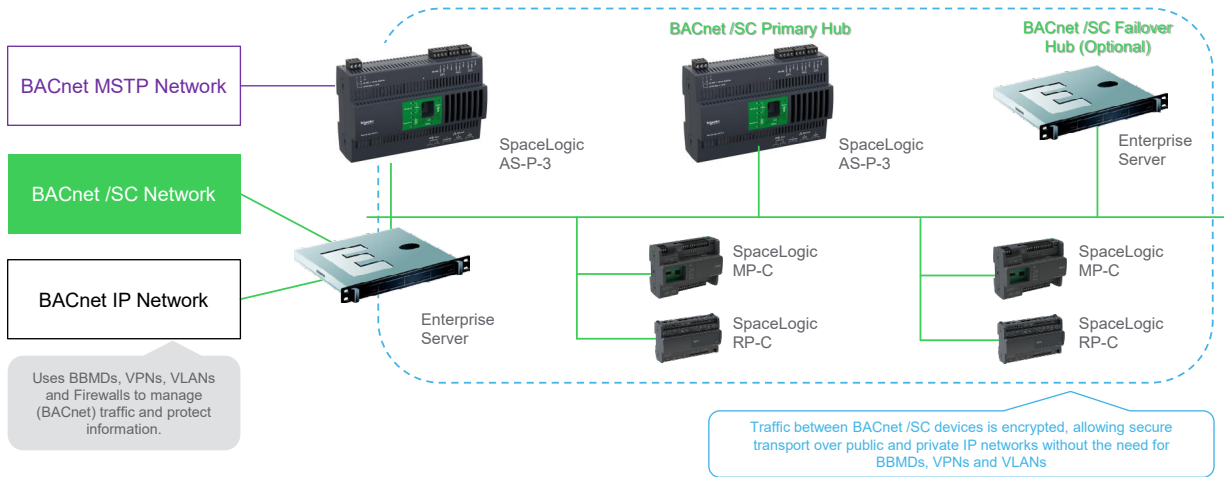
# EcoStructure™ Building Operation Powered by EcoStructure™ Building Operation

End-to-end IP Architecture Options



Reference Architecture

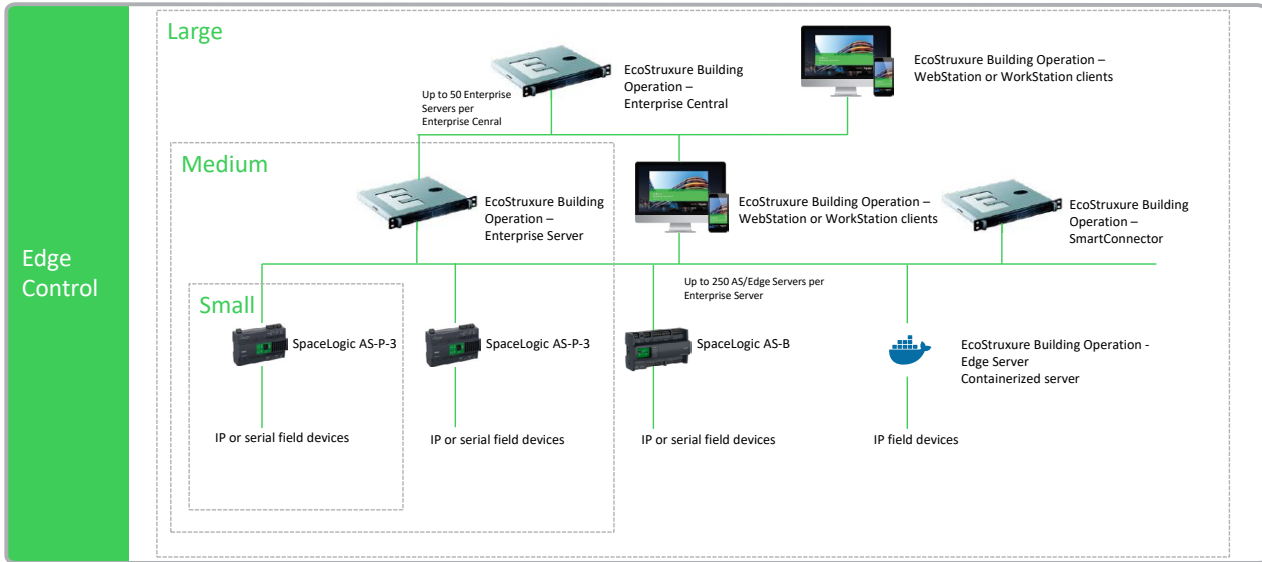
EcoStructure™ Building Operation  
BACnet/SC (Secure Connect) Architecture



EBO Servers (Enterprise Server, AS-P-3, 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.

Reference Architecture

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



Docker and the Docker logo are trademarks or registered trademarks of Docker, Inc. in the United States and/or other countries. Docker, Inc. and other parties may also have trademark rights in other terms used herein.

Public



# 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. Leveraging modern technologies such as AI, it contributes to increased energy and operational efficiency while enhancing occupant satisfaction. 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	Halo 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

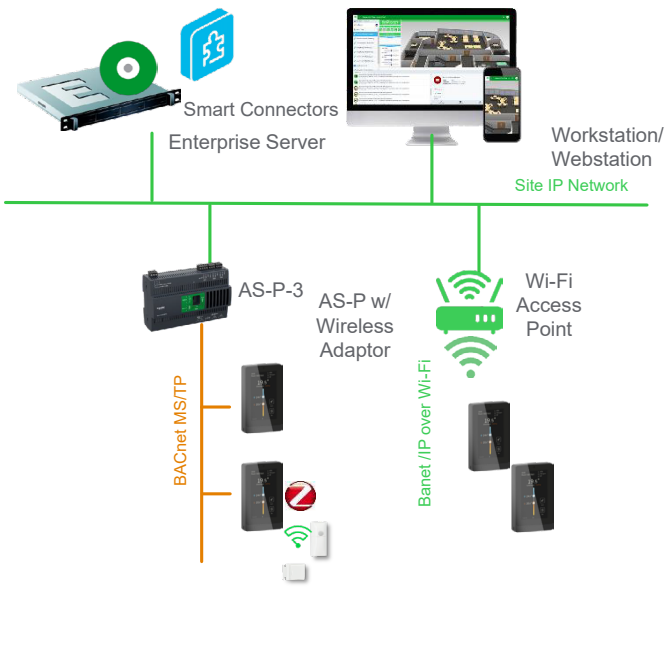
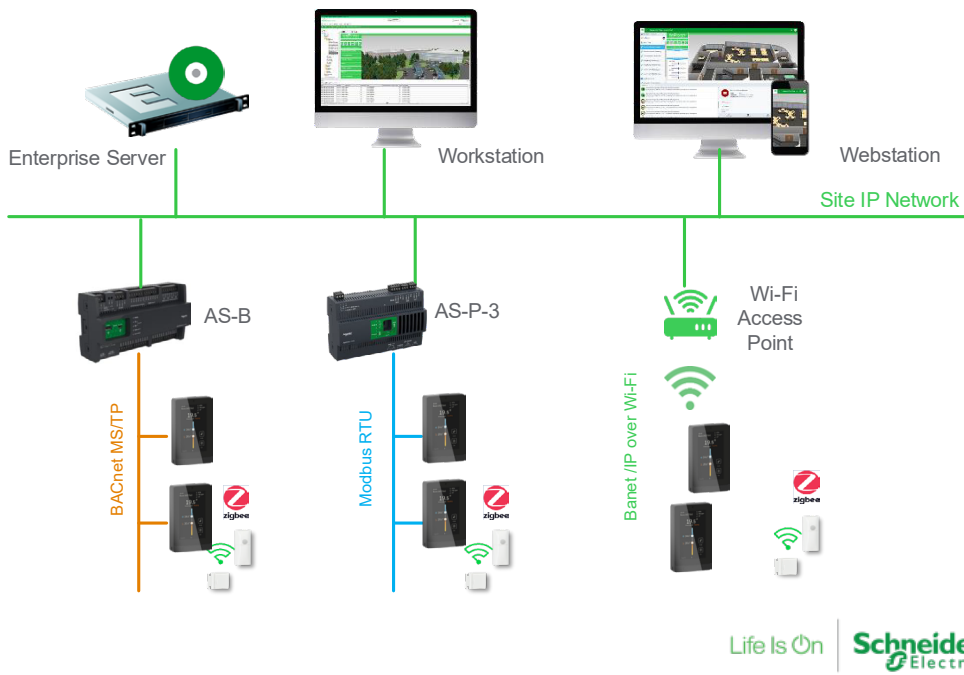
\*Note: SpaceLogic Touchscreen Room Controller is natively supported in EcoStruxure Building Operation 2025 for more efficient commingling and operation.

#### 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



# 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
<b>Part Number</b>	SXWRCF12A10002	SXWRCF12B10002	SXWRCF12C10002	SXWRCF16A10003
<b>Communication</b>				
<b>Communication Interface</b>	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
<b>Software</b>				
<b>Programmability</b>	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>				
<b>Dimensions</b>	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.)
<b>Weight (including terminal blocks)</b>	0.370 kg (0.816 lb)	0.390 kg (0.86 lb)	0.390 kg (0.86 lb)	0.720 kg (1.587 lb)
<b>Power</b>				
<b>Power</b>	24 V AC/DC	24 V AC/DC	24 V AC/DC	230 V AC
<b>Consumption</b>	23 VA	23 VA	23 VA	65 VA
<b>Environmental</b>				
<b>Operating Range</b>	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)
<b>Internals</b>				
<b>CPU</b>	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core	ARM Cortex-A7 single-core
<b>On-board Bluetooth Low Energy</b>	Yes	Yes	Yes	Yes
<b>Battery</b>	No	No	No	No
<b>Real time clock</b>	Yes -7 days	Yes -7 days	Yes -7 days	Yes -7 days
<b>External Features</b>				
<b>Enclosure rating</b>	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)
<b>Manual Override of Outputs</b>	No	No	No	No
<b>Optional cover</b>	Yes	Yes	Yes	Yes
<b>Intelligent Sensors</b>	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors
<b>Sensor Bus</b>	Yes	Yes	Yes	Yes
<b>Room Bus</b>	Yes	Yes	Yes	Yes
<b>Terminals</b>				
<b>I/O terminals</b>	Screw terminals	Screw terminals	Screw terminals	Screw terminals
<b>External Enclosure/Mounting</b>				
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>				
<b>BTL</b>	Yes	Yes	Yes	Yes
<b>FCC</b>	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
<b>REACH</b>	Yes	Yes	Yes	Yes
<b>Innovation, Science and Economic Development Canada (ISED)</b>	Class B (Emission)	Class B (Emission)	Class B (Emission)	No
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Open Energy Management Equipment)	UL-916 (Open Energy Management Equipment)	No
<b>C-UL US</b>	Yes	Yes	Yes	No
<b>CE - EU</b>	Yes	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes	Yes
<b>eu.bac</b>	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
<b>Part Number</b>	<b>SXWRCF12A10001</b>	<b>SXWRCF12B10001</b>	<b>SXWRCF12C10001</b>	<b>SXWRCF16A10002</b>
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
<b>Digital Outputs</b>				
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 24V 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
<b>Part Number</b>	SXWRCF16B10001	SXWRCF16B10002
<b>Communication</b>		
<b>Communication Interface</b>	BACnet/IP, BACnet MS/TP BTL B-AAC	BACnet/IP, BACnet MS/TP BTL B-AAC
<b>Software</b>		
<b>Programability</b>	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>		
<b>Dimensions</b>	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.)
<b>Weight (including terminal blocks)</b>	0.390 kg (0.860 lb)	0.720 kg (1.587 lb)
<b>Power</b>		
<b>Power</b>	24 V AC/DC	230 V AC
<b>Consumption</b>	30 VA	65 VA
<b>Environmental</b>		
<b>Operating Range</b>	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)
<b>Internals</b>		
<b>CPU</b>	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
<b>On-board Bluetooth Low Energy</b>	Yes	Yes
<b>Battery</b>	No	No
<b>Real time clock</b>	Yes -7 days	Yes -7 days
<b>External Features</b>		
<b>Enclosure rating</b>	UL94 5 VB, Plenum rated, IP 20 (<12.5 mm protection)	UL94 5 VB, IP 20 (<12.5 mm protection)
<b>Manual Override of Outputs</b>	No	No
<b>Optional cover</b>	Yes	Yes
<b>Intelligent Sensors</b>	SpaceLogic Living Space Sensors	SpaceLogic Living Space Sensors
<b>Sensor Bus</b>	Yes	Yes
<b>Room Bus</b>	Yes	Yes
<b>Terminals</b>		
<b>I/O terminals</b>	Screw terminals	Screw terminals
<b>External Enclosure/Mounting</b>		
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>		
<b>BTL</b>	Yes	Yes
<b>FCC</b>	47 CFR §15, Subpart B and C, Class B (Emission)	No
<b>REACH</b>	Yes	Yes
<b>Innovation, Science and Economic Development Canada (ISED)</b>	Class B (Emission)	No
<b>UL</b>	UL-916 (Open Energy Management Equipment)	No
<b>C-UL US</b>	Yes	No
<b>CE - EU</b>	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes
<b>RCM</b>	Yes	Yes
<b>eu.bac</b>	No	Yes

All eu.bac certified products are found on the eu.bac website [www.eubaccert.eu](http://www.eubaccert.eu)

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

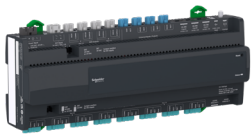
	RP-C-16B-F-24 V	RP-C-16B-F-230 V
Part Number	SXWRCF16B10001	SXWRCF16B10002
Universal Inputs/Outputs	8-Ub	8-Ub
Solid-state relay outputs (MOSFET)	4	4
Relay outputs Form A	3	3
High power relay outputs Form C	1	1



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

All eu.bac certified products are found on the eu.bac web site [www.eubaccert.eu](http://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) <sup>b</sup>	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

### 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
<b>Communication</b>		
Communication Interface	SpaceLogic Wireless Adapter - Advanced	SpaceLogic Wireless Adapter - Advanced
<b>Physical</b>		
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)
<b>Power</b>		
Nominal voltage	220 to 240 V AC	220 to 240 V AC
Power consumption	<1 W	<1 W
<b>Environmental</b>		
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
<b>Material</b>		
Plastic flame rating	UL94 V-0	UL94 V-0
IP rating	IP 20	IP 20
Connectors	No	No
<b>Inputs</b>		
Digital Inputs	No	No
<b>Outputs</b>		
Type of Output	0-10 V	DALI
Number of outputs	1	1
Power Distribution	Yes	Yes
<b>Certifications</b>		
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
<b>Communication</b>				
Communication Interface	Room Bus	Room Bus	Room Bus	Room Bus
<b>Physical</b>				
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)
<b>Power</b>				
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
<b>Environmental</b>				
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
<b>Material</b>				
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
<b>Inputs</b>				
Digital Inputs	4	4	4	4
<b>Outputs</b>				
Type of Output	DALI	0-10 V	230 V	24 V
Number of outputs	4	4	4	2
Power Distribution	Yes	Yes	Yes	Yes
<b>Certifications</b>				
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
<b>Communication</b>				
Communication Interface	Room Bus	Room Bus	Room Bus	Room Bus
<b>Physical</b>				
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)
<b>Power</b>				
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
<b>Environmental</b>				
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
<b>Material</b>				
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
<b>Inputs</b>				
Digital Inputs	4	4	4	12
<b>Outputs</b>				
Type of Output	230 V SMI	24 V SMI	Relays	Relays
Number of outputs	4	2	4	10
Power Distribution	Yes	Yes	Yes	No
<b>Certifications</b>				
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	SXWREDAL110001	SXWREKNX10001	SXWRE010DIM10001	SXWRERCBLE10001
<b>Communication</b>					
Communication Interface	Room Bus	Room Bus	Modbus	0-10 V extension module	Bluetooth
<b>Physical</b>					
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)
<b>Power</b>					
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
<b>Environmental</b>					
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
<b>Material</b>					
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
<b>Inputs</b>					
Digital Inputs	4	4	No	No	No
<b>Outputs</b>					
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
<b>Certifications</b>					
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
<b>Communication</b>		
Communication Interface	Room Bus	Room Bus
<b>Physical</b>		
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
<b>Power</b>		
Nominal voltage	24 V DC	24 V DC
Room bus power consumption	0.3W	0.35 W
<b>Environmental</b>		
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
<b>Material</b>		
Plastic flame rating	UL94 V-0	UL94 V-0
IP rating	IP 20	IP 20
Connectors	No	No
<b>Inputs</b>		
Digital inputs	No	No
<b>Outputs</b>		
Type of output	No	No
Number of outputs	0	0
Power distribution	No	No
<b>Certifications</b>		
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

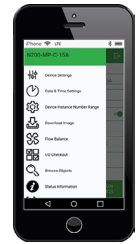
## Connector accessories for RP Controller Expansion Modules

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
SXWRPCCONWLLV	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

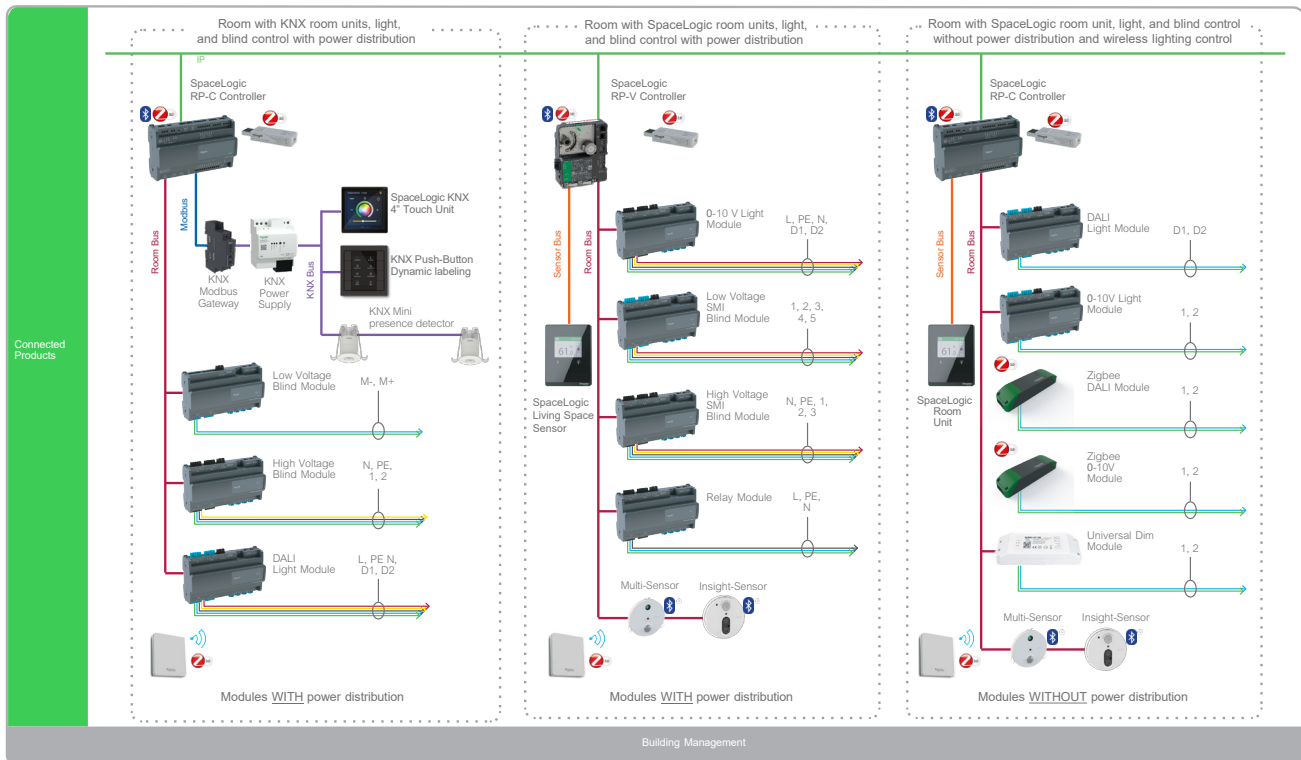
EcoStruxure Connected Room Solutions for Hotels provide room level interfaces for temperature, lighting, blind control and door lock integration, in addition to a single point of integration for other IoT devices to create integrated and engaging guest room environments with responsive, personalized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

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.



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



Physical network hierarchy  
 Connected Room Solutions



# 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 Twisted Pair Adapter

SpaceLogic™ Twisted Pair Adapter - Ethernet (TPA-E) connects SpaceLogic BACnet/IP controllers and automation servers to IP networks using existing twisted pair cabling. The adapter enables seamless integration of legacy serial and free topology networks into the EcoStruxure Building Management System (BMS), reducing installation costs and simplifying retrofit projects. Designed for scalability and easy installation, the adapter supports free network topologies and requires minimal configuration.



TPA-E

SpaceLogic TPA-E	
<b>Part Number</b>	<b>SXWTPAE10001</b>
<b>Communication</b>	
<b>Ethernet</b>	10/100BASE-TX (RJ45), IEEE 802.3 compliant
<b>NET</b> <sup>(a)</sup> <small>(a) Twisted pair cable network</small>	2-position removable screw terminal block, polarity insensitive MOV suppression
<b>Physical</b>	
<b>Dimensions</b>	27 W x 110 H x 64 D mm (1.1 W x 4.3 H x 2.5 D in.)
<b>Weight (including baseplate)</b>	98 g (3.5 oz)
<b>Power</b>	
<b>Power</b>	24 V AC 24-30 DC
<b>Consumption</b>	Max. 3 VA (AC) Max. 1.5 W (DC)
<b>Environmental</b>	
<b>Operating Range</b>	-25 °C to 60 °C (-13 °F to 140 °F) 0-95% RH (non-condensing)
<b>External Features</b>	
<b>Enclosure rating</b>	UL94 V-0 UL2043 (Approved for plenum installations), IP 20
<b>Terminals</b>	
<b>I/O Expansion</b>	Two-piece terminal
<b>External Enclosure/ Mounting</b>	
<b>Mounting</b>	DIN-rail or wall mount
<b>Certifications</b>	
<b>FCC</b>	47 CFR § 15, Class B (Emission)
<b>REACH</b>	Yes
<b>Innovation, Science and Economic Development Canada (ISED)</b>	Class B (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes
<b>CE - EU</b>	Yes
<b>WEEE - Directive of the European Union</b>	Yes
<b>RoHS Directive</b>	Yes
<b>RCM</b>	Yes
<b>US Patent</b>	

## 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
<b>Part Number</b>	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
<b>Other Models</b>	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
<b>Part Number (UL-864 Smoke Control)</b>	SXWMPC15A1S001	SXWMPC18A1S001	SXWMPC18B1S001	SXWMPC24A1S001	SXWMPC36A1S001
<b>Part Number (Buy American Act Compliant)</b>	SXWMPC15A10A01 SXWMPC15AB10A01*	SXWMPC18A10A01	SXWMPC18B10A01	SXWMPC24A10A01	SXWMPC36A10A01 SXWMPC36AB10A01*
<b>Communication Interface</b>	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
<b>Software</b>					
<b>Programability</b>	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>					
<b>Dimensions</b>	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.)
<b>Weight (including terminal blocks)</b>	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)
<b>Power</b>					
<b>Power</b>	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
<b>Consumption</b>	12 W	12 W	12 W	15 W	18 W
<b>Environmental</b>					
<b>Operating Range<sup>6</sup></b>	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
<b>CPU Internals</b>					
<b>CPU</b>	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
<b>Memory</b>	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)
<b>Battery</b>	No	No	No	No	No
<b>Real time clock</b>	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum	Yes -7 days minimum
<b>External Features</b>					
<b>Enclosure rating</b>	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)
<b>HOA Switches (DO/AO)</b>	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)
<b>Manual Override of Outputs</b>	Yes	Yes	Yes	Yes	Yes
<b>Digital Status LEDs</b>	Yes	Yes	Yes	Yes	Yes
<b>Intelligent Sensors</b>	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors	SpaceLogic Living Space sensors
<b>Sensor Bus</b>	Yes	Yes	Yes	Yes	Yes
<b>Terminals</b>					
<b>I/O terminals</b>	Two-piece terminal	Two-piece terminal	Two-piece terminal	Two-piece terminal	Two-piece terminal
<b>External Enclosure/ Mounting</b>					
<b>Mounting</b>	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
<b>Part Number</b>	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
<b>Certifications</b>					
<b>BTL</b>	Yes	Yes	Yes	Yes	Yes
<b>FCC</b>	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)
<b>REACH</b>	Yes	Yes	Yes	Yes	Yes
<b>Innovation, Science and Economic Development Canada (ISED)</b>	Class B (Emission)	Class B (Emission)	Class B (Emission)	Class B (Emission)	Class B (Emission)
<b>UL</b>	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)
<b>C-UL US</b>	Yes	Yes	Yes	Yes	Yes
<b>CE - EU</b>	Yes	Yes	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes	Yes	Yes
<b>US Patent</b>					

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

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
<b>Part Number</b>	SXWMPC15A10001	SXWMPC18A10001	SXWMPC18B10001	SXWMPC24A10001	SXWMPC36A10001
<b>Other Models</b>	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
<b>Part Number (UL-864 Smoke Control)</b>	SXWMPC15A1S001	SXWMPC18A1S001	SXWMPC18B1S001	SXWMPC24A1S001	SXWMPC36A1S001
<b>Part Number (Buy American Act Compliant)</b>	SXWMPC15A10A01	SXWMPC18A10A01	SXWMPC18B10A01	SXWMPC24A10A01	SXWMPC36A10A01
<b>Universal Inputs/Outputs</b>	8-Ub	10-Ub	10-Ub	16-Ub, 4Uc	20-Ub, 8Uc
<b>Digital Input</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Counter Input</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Supervised Input</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Voltage Input - (0-10 V)</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Resistive Input</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Thermistor Input - 10 k</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Thermistor Input - 1.8 k</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Thermistor Input - 1 k</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Thermistor Input - 20 k</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Thermistor Input - 2.2 k</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>RTD Temp Input - Pt100</b>					
<b>RTD Temp Input - Pt1000</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>RTD Temp Input - Ni1000</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>RTD Temp Input - LG-Ni1000</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Voltage Output (0-10 V)</b>	Ub	Ub	Ub	Ub/Uc	Ub/Uc
<b>Current Output (0-20 mA)</b>				Uc	Uc
<b>Digital Outputs</b>	7	8	8	4	8
<b>Form A Relay, SPST</b>		3		4	8
<b>Form C Relay, SPDT</b>					
<b>Triac</b>	6	4	8		
<b>Form A High Power Relay, SPST</b>	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
<b>Part Number</b>	<b>SXWMPV7AX10001</b>	<b>SXWMPV9AX10001</b>	<b>SXWMPV7AX10002</b>	<b>SXWMPV9AX10002</b>
<b>Other Models</b>	MP-V-7A-SMK	MP-V-9A-SMK	MP-V-7A-SMK MP-V-7A-BAA	MP-V-9A-SMK MP-V-9A-BAA
<b>Part Number (UL-864 Smoke Control)</b>	SXWMPV7AX1S001	SXWMPV9AX1S001	SXWMPV7AX1S001	SXWMPV9AX1S001
<b>Part Number (Buy American Act Compliant)</b>	-	-	SXWMPV7AX10A02	SXWMPV9AX10A02
<b>Universal Inputs</b>	3	4	3	4
<b>Digital Input</b>	Yes	Yes	Yes	Yes
<b>Counter Input</b>	Yes	Yes	Yes	Yes
<b>Supervised Input</b>	Yes	Yes	Yes	Yes
<b>Voltage Input - (0-10 V)</b>	Yes	Yes	Yes	Yes
<b>Resistive Input</b>	Yes	Yes	Yes	Yes
<b>Thermistor Input - 10 k</b>	Yes	Yes	Yes	Yes
<b>Thermistor Input - 1.8 k</b>	Yes	Yes	Yes	Yes
<b>Thermistor Input - 1 k</b>	Yes	Yes	Yes	Yes
<b>Thermistor Input - 20 k</b>	Yes	Yes	Yes	Yes
<b>Thermistor Input - 2.2 k</b>	Yes	Yes	Yes	Yes
<b>RTD Temp Input - Pt100</b>	-	-	-	-
<b>RTD Temp Input - Pt1000</b>	Yes	Yes	Yes	Yes
<b>RTD Temp Input - Ni1000</b>	Yes	Yes	Yes	Yes
<b>RTD Temp Input - LG-Ni1000</b>	Yes	Yes	Yes	Yes
<b>Voltage Output (0-10 V)</b>	Yes	Yes	Yes	Yes
<b>Current Output (0-20 mA)</b>				
<b>Damper Position Feedback</b>	Yes	Yes	Yes	Yes
<b>Velocity Pressure Sensor</b>	Yes	Yes	-	-
<b>Digital Output</b>	3	3	3	3
<b>Form C Relay, SPDT</b>				
<b>Triac</b>	Yes	Yes	Yes	Yes
<b>Form A High Power Relay, SPST</b>				
<b>Analog Output</b>	1	2	1	2
<b>Voltage outputs (0-10 V DC)</b>	Yes	Yes	Yes	Yes
<b>Current Output (0-20 mA)</b>	Yes	Yes	Yes	Yes
<b>Damper Outputs</b>				
<b>Form K, Triac Voltage</b>	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
<b>Part Number</b>	<b>SXWIPIOAA10001</b>	<b>SXWIPIOBA10001</b>	<b>SXWIPIOCA10001</b>
<b>Other Models</b>	IP-IO-DI10-SMK IP-IO-DI10-BAA	IP-IO-UIO10-SMK IP-IO-UIO10-BAA	IP-IO-UIO5DOFA4-SMK IP-IO-UIO5DOFA4-BAA
<b>Part Number (UL-864 Smoke Control)</b>	SXWIPIOAA1S001	SXWIPIOBA1S001	SXWIPIOCA1S001
<b>Part Number (Buy American Act Compliant)</b>	SXWIPIOAA10A01	SXWIPIOBA10A01	SXWIPIOCA10A01
<b>Communication</b>			
<b>Communication Interface</b>	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC	BACnet/IP, BTL B-AAC
<b>Physical</b>			
<b>Dimensions</b>	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.)
<b>Weight (including terminal blocks)</b>	0.358 kg (0.789 lb)	0.358 kg (0.789 lb)	0.358 kg (0.789 lb)
<b>Power</b>			
<b>Power</b>	24 V AC/DC	24 V AC/DC	24 V AC/DC
<b>Consumption</b>	9 W	9 W	9 W
<b>Environmental</b>			
<b>Operating Range<sup>6</sup></b>	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
<b>CPU Internals</b>			
<b>CPU</b>	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
<b>Memory</b>	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)	128 MB (DDR3 SDRAM)
<b>Battery</b>	No	No	No
<b>Real time clock</b>	Yes - 7 days minimum	Yes - 7 days minimum	Yes - 7 days minimum
<b>External Features</b>			
<b>Enclosure rating</b>	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)
<b>Add-on HOA / Display</b>	Add-On (see accessories)	Add-On (see accessories)	Add-On (see accessories)
<b>Manual Override of Outputs</b>	N/A	Yes	Yes
<b>Digital Status LEDs</b>	Yes	Yes	Yes
<b>Intelligent Sensors</b>	No	No	No
<b>Sensor Bus</b>	No	No	No
<b>Terminals</b>			
<b>I/O terminals</b>	Two-piece terminal	Two-piece terminal	Two-piece terminal
<b>External Enclosure/Mounting</b>			
<b>Mounting</b>	DIN-rail or wall mount	DIN-rail or wall mount	DIN-rail or wall mount
<b>Certifications</b>			
<b>BTL</b>	Yes	Yes	Yes
<b>FCC</b>	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)	47 CFR § 15, Class B (Emission)
<b>REACH</b>	Yes	Yes	Yes
<b>Innovation, Science and Economic Development Canada (ISED)</b>	Class B (Emission)	Class B (Emission)	Class B (Emission)
<b>UL</b>	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)	UL-916 (Energy Management Equipment)
<b>C-UL US</b>	Yes	Yes	Yes
<b>CE - EU</b>	Yes	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes	Yes
<b>RCM</b>	Yes	Yes	Yes
<b>US Patent</b>			

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
<b>Part Number</b>	<b>SXWIPIOAA10001</b>	<b>SXWIPIOBA10001</b>	<b>SXWIPIOCA10001</b>
<b>Other Models</b>	IP-IO-DI10-SMK IP-IO-DI10-BAA	IP-IO-UIO10-SMK IP-IO-UIO10-BAA	IP-IO-UIO5DOFA4-SMK IP-IO-UIO5DOFA4-BAA
<b>Part Number (UL-864 Smoke Control)</b>	SXWIPIOAA1S001	SXWIPIOBA1S001	SXWIPIOCA1S001
<b>Part Number (Buy American Act Compliant)</b>	SXWIPIOAA10A01	SXWIPIOBA10A01	SXWIPIOCA10A01
<b>Digital Inputs</b>	10		
<b>Universal Inputs/Outputs</b>		10-Ub	5-Ub
<b>Digital Input</b>		Ub	Ub
<b>Counter Input</b>		Ub	Ub
<b>Supervised Input</b>		Ub	Ub
<b>Voltage Input - 0-10 V</b>		Ub	Ub
<b>Resistive Input</b>		Ub	Ub
<b>Thermistor Input - 10 k</b>		Ub	Ub
<b>Thermistor Input - 1.8 k</b>		Ub	Ub
<b>Thermistor Input - 1 k</b>		Ub	Ub
<b>Thermistor Input - 20 k</b>		Ub	Ub
<b>Thermistor Input - 2.2 k</b>		Ub	Ub
<b>RTD Temp Input - Pt100</b>			
<b>RTD Temp Input - Pt1000</b>		Ub	Ub
<b>RTD Temp Input - Ni1000</b>			
<b>RTD Temp Input - LG Ni1000</b>		Ub	Ub
<b>Voltage Output 0-10 V</b>		Ub	Ub
<b>Current Output 0-20mA</b>			
<b>Digital Outputs</b>			4
<b>Form A Relay, SPST</b>			3
<b>Form C Relay, SPDT</b>			
<b>Triac</b>			
<b>Form A High Power Relay, SPST</b>			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
SXWBTAECX10001	eCommission Bluetooth Adapter	



MP-C DISPLAY



SXWMPCCON10001



DIN-RAIL-CLIP



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

## SpaceLogic Controllers – Accessories (continued)

### 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.

Part number	Region	Description (system)
<b>Global</b>		
ACTPG6TLU001	Global	Cat 6 field-term plug, UTP
ACTPG6PTU100	Global	Cat 6 pass-through plug, UTP, 100-pack
ACTTLCPT	Global	Actassi crimping tool
ACTPG5EPTU100	Global	Cat 5e pass-through plug, UTP, 100-pack
<b>AMER</b>		
ACT4P6UCP1ARXGR	AMER	Cat 6 cable, UTP, 1000 ft (305 m), CMP, green
ACTPC6UBCP30AGR	AMER	Cat 6 patch cord, UTP, 30 ft (9 m), CMP, green
ACTPC6UBCP50AGR	AMER	Cat 6 patch cord, UTP, 50 ft (15 m), CMP, green
ACTPC6UBCP70AGR	AMER	Cat 6 patch cord, UTP, 70 ft (21 m), CMP, green
ACTPC6UBCP90AGR	AMER	Cat 6 patch cord, UTP, 90 ft (27 m), CMP, green
ACT4P5EUCP1ARXGR	AMER	Cat 5e cable, UTP, 1000 ft (305 m), CMP, green
ACTPC5EUBCP30AGR	AMER	Cat 5e patch cord, UTP, 30 ft (9 m), CMP, green
ACTPC5EUBCP50AGR	AMER	Cat 5e patch cord, UTP, 50 ft (15 m), CMP, green
ACTPC5EUBCP70AGR	AMER	Cat 5e patch cord, UTP, 70 ft (21 m), CMP, green
ACTPC5EUBCP90AGR	AMER	Cat 5e patch cord, UTP, 90 ft (27 m), CMP, green
<b>EMEA</b>		
VDICD116118	EMEA	Cat 6 cable, UTP, 305 m (1000 ft), Euroclass D, green
ACTPC6UBLS100GR	EMEA	Cat 6 patch cord, UTP, 10 m (32 ft), LSZH, green
ACTPC6UBLS150GR	EMEA	Cat 6 patch cord, UTP, 15 m (49 ft), LSZH, green
ACTPC6UBLS200GR	EMEA	Cat 6 patch cord, UTP, 20 m (65 ft), LSZH, green
ACTPC6UBLS250GR	EMEA	Cat 6 patch cord, UTP, 25 m (82 ft), LSZH, green
VDICD115118	EMEA	Cat 5e cable, UTP, 305 m (1000 ft), Euroclass D, green
ACTPC5EUBLS100GR	EMEA	Cat 5e patch cord, UTP, 10 m (32 ft), LSZH, green
ACTPC5EUBLS150GR	EMEA	Cat 5e patch cord, UTP, 15 m (49 ft), LSZH, green
ACTPC5EUBLS200GR	EMEA	Cat 5e patch cord, UTP, 20 m (65 ft), LSZH, green
ACTPC5EUBLS250GR	EMEA	Cat 5e patch cord, UTP, 25 m (82 ft), LSZH, green
<b>PACIFIC</b>		
ACT4P6UCM3RBGR	PACIFIC	Cat 6 cable, UTP, 305 m (1000 ft), PVC, green
ACTPC6UBCM100GR	PACIFIC	Cat 6 patch lead, UTP, 10 m (32 ft), PVC, green
ACTPC6UBCM150GR	PACIFIC	Cat 6 patch lead, UTP, 15 m (49 ft), PVC, green
ACTPC6UBCM200GR	PACIFIC	Cat 6 patch lead, UTP, 20 m (65 ft), PVC, green
ACTPC6UBCM250GR	PACIFIC	Cat 6 patch lead, UTP, 25 m (82 ft), PVC, green
ACT4P5EUCM3RBGR	PACIFIC	Cat 5e cable, UTP, 305 m (1000 ft), PVC, green
ACTPC5EUBCM100GR	PACIFIC	Cat 5e patch lead, UTP, 10 m (32 ft), PVC, green
ACTPC5EUBCM150GR	PACIFIC	Cat 5e patch lead, UTP, 15 m (49 ft), PVC, green
ACTPC5EUBCM200GR	PACIFIC	Cat 5e patch lead, UTP, 20 m (65 ft), PVC, green
ACTPC5EUBCM250GR	PACIFIC	Cat 5e patch lead, UTP, 25 m (82 ft), PVC, green

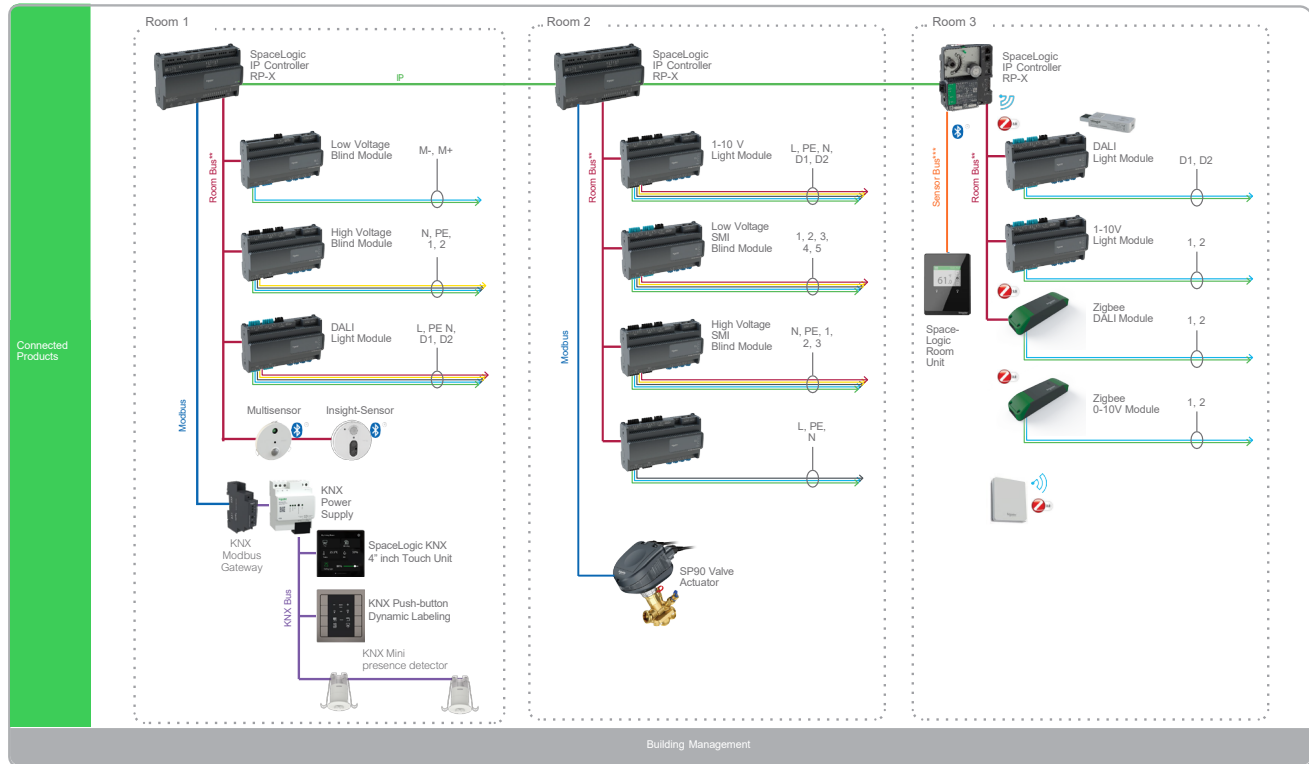


a) Abbreviations: UTP (Unshielded Twisted Pair), CMP (Plenum-rated cable)

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. CO<sub>2</sub>, 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 CO<sub>2</sub> (if equipped), RH (if equipped), and temperature of air in a living space application. The CO<sub>2</sub> sensor operates within accuracy specifications for an interval of two years and can be field calibrated.





# EasyLogic Solutions

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

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



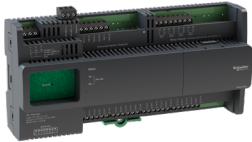
RP-V-5C-M

RP-V-5C-M	
Part Number	SXWRPV5CM10001
<b>Communication</b>	
Communication Interface	BACnet MS/TP, BTL B-AAC
<b>Software</b>	
Programmability	Function Block/Script Programmable
<b>Physical</b>	
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)
<b>Power</b>	
Power	24 V AC
Consumption	11 VA
<b>Environmental</b>	
Operating Range	0 to 50 °C (32 to 122 °F)
<b>Internals</b>	
CPU	ARM Cortex-A7 single-core
Battery	No
Real-time clock	No
<b>External Features</b>	
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
<b>Terminals</b>	
I/O terminals	Screw terminals
<b>External Enclosure/Mounting</b>	
Mounting	Over the damper shaft
<b>Certifications</b>	
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

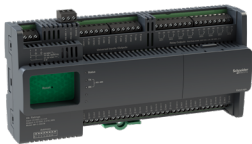
See the BTL Product Catalog for up-to-date details on BTL listed firmware revisions on BACnet International's home page.

## 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
<b>Part Number</b>	SXWMPC24AM10001	SXWMPC36AM10001
<b>Communication</b>		
<b>Communication Interface</b>	BACnet MS/TP, BTL B-AAC	BACnet MS/TP, BTL B-AAC
<b>Software</b>		
<b>Programmability</b>	Function Block/Script Programmable	Function Block/Script Programmable
<b>Physical</b>		
<b>Dimensions</b>	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.)
<b>Weight (including terminal blocks)</b>	0.446 kg (0.983 lb)	0.488 kg (1.076 lb)
<b>Power</b>		
<b>Power</b>	24 V AC	24 V AC
<b>Consumption</b>	10 VA	12 VA
<b>Operating Range</b>	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
<b>Internals</b>		
<b>CPU</b>	ARM Cortex-A7 dual-core	ARM Cortex-A7 dual-core
<b>Battery</b>	No	No
<b>Real-time clock</b>	No	No
<b>External Features</b>		
<b>Enclosure rating</b>	UL94 V-0	UL94 V-0
<b>Manual Override of Outputs</b>	No	No
<b>Optional cover</b>	No	No
<b>Intelligent Sensors</b>	Yes, SpaceLogic and EasyLogic Living Space Sensors	Yes, SpaceLogic and EasyLogic Living Space Sensors
<b>Sensor Bus</b>	No	No
<b>Room Bus</b>	No	No
<b>Terminals</b>		
<b>I/O terminals</b>	Screw terminals	Screw terminals
<b>External Enclosure/Mounting</b>		
<b>Mounting</b>	DIN rail or other flat surface inside a cabinet	DIN rail or other flat surface inside a cabinet
<b>Certifications</b>		
<b>BTL</b>	Yes	Yes
<b>FCC</b>	Yes, FCC Part 15, Sub-part B, Class B	Yes, FCC Part 15, Sub-part B, Class B
<b>REACH</b>	No	No
<b>Innovation, Science and Economic Development Canada (ISED)</b>	No	No
<b>UL</b>	UL 916	UL 916
<b>C-UL US</b>	Yes	Yes
<b>CE - EU</b>	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes
<b>RCM</b>	Yes	Yes
<b>eu.bac</b>	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-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
<b>Part Number</b>	SXWRIOF12AM10001	SXWRIOF16EM10001
<b>Communication</b>		
<b>Communication Interface</b>	BACnet MS/TP, BTL B-ASC	BACnet MS/TP, BTL B-ASC
<b>Physical</b>		
<b>Dimensions</b>	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.)
<b>Weight (including terminal blocks)</b>	0.336 kg (0.741 lb)	0.334 kg (0.736 lb)
<b>Power</b>		
<b>Power</b>	24 V AC	24 V AC
<b>Consumption</b>	7 VA	7 VA
<b>Operating Range</b>	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
<b>External Features</b>		
<b>Enclosure rating</b>	UL94 V-0, IP 20	UL94 V-0, IP 20
<b>Optional cover</b>	Yes	Yes
<b>Terminals</b>		
<b>I/O terminals</b>	terminal base	Terminal base
<b>External Enclosure/Mounting</b>		
<b>Mounting</b>	DIN rail or flat surface	DIN rail or flat surface
<b>Certifications</b>		
<b>BTL</b>	Yes	Yes
<b>FCC</b>	Yes, FCC Part 15, Sub-part B, Class B	Yes, FCC Part 15, Sub-part B, Class B
<b>REACH</b>	No	No
<b>Innovation, Science and Economic Development Canada (ISED)</b>	No	No
<b>UL</b>	UL 916, UL 2043	UL 916, UL 2043
<b>C-UL US</b>	Yes	Yes
<b>CE - EU</b>	Yes	Yes
<b>WEEE - Directive of the European Union</b>	Yes	Yes
<b>RoHS Directive</b>	Yes	Yes
<b>RCM</b>	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	
<b>SLEASXXXB</b>	Complete EasyLogic Sensor model with resistive temperature sensor (10 kohm type 3 thermistor) and blank cover
<b>SLEASLXXB</b>	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. Buildings that lack a future-ready management system may miss out on the latest technological advancements 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>

# 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/>



# 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

# 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 most BMSs. The wireless versions of the SE7000 provide a simple yet powerful solution which targets retrofit installations where running new communication wiring is prohibitive.



Life Is On

**Schneider**  
Electric

## Quick Links

### Digital Tools and Resources

#### **Building Automation Knowledge Base**

[https://community.se.com/t5/Building-Automation-Knowledge/tkb-p/knowledge-base\\_public](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](http://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/>

## Notes

Life Is On



[se.com/ecostruxure-building](https://se.com/ecostruxure-building)

**Schneider Electric Americas**

Boston ONE Campus  
800 Federal Street  
Andover, MA 01810-1067  
Tel: +1-978-794-0800

**Schneider Electric EMEA**

Mobilvägen 10  
SE-223 62, Lund, Sweden  
Tel: +46 (40) 38 68 50

**Schneider Electric Hong Kong Ltd**

11/F, Kerry Centre,  
683 King's Rd,  
Quarry Bay, Hong Kong  
Tel: +853 2875 1738

Feb 2026

©2026 Schneider Electric. All Rights Reserved.  
All trademarks are owned by Schneider Electric Industries SAS or its affiliated companies.  
998-20312057