

Automation Server Family of Modules

SpaceLogic Server – AS-B

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



AS-B

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

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

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

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

Automation Server Family of Modules

SpaceLogic Server – AS-B – Inputs and Outputs

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

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

Automation Server Family of Modules

Accessories

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



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