

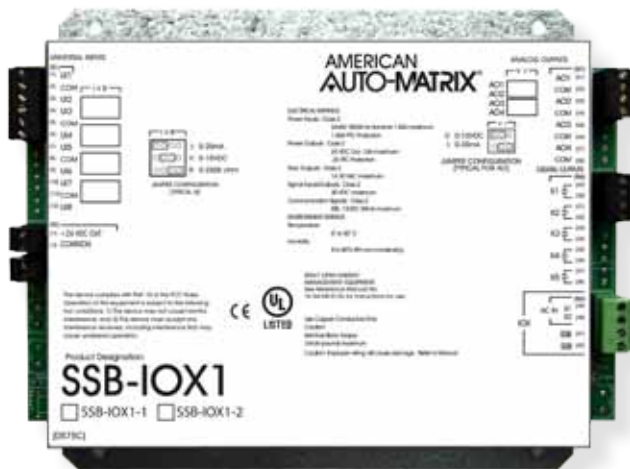


## STATbus Expansion Modules

STATbus expansion modules are specialized devices which allow additional inputs and outputs to be added to the GPC family of controllers. The devices add expansion input or output in blocks of I/O points or in increments as small as a single input or output. Through the use of these modules, you can create a system with a customizable I/O profile. If the project ever needs expansion simply connect additional IOX modules for more I/O. Unlike conventional controllers, the ability to add expansion modules provides greater flexibility and can reduce the number of controllers and wiring needed in a facility.

### SSB-IOXx-x

The IOXx-x devices offer the most efficient method of maximizing the I/O capabilities of GPC controllers.



	UI	DI	AO	DO
<b>SSB-IOX1-1</b>	4	1	2	2
<b>SSB-IOX1-2</b>	8	0	0	0
<b>SSB-IOX2-1</b>	12	0	6	6
<b>SSB-IOX2-2</b>	12	0	0	0



### SSB-DO1 & 2

- Relays on the SSB-DO1 and SSB-DO2 allow switching up to 250 VAC/DC at up to 10A.
- The SSB-DO1-1 and the SSB-DO2-1 also provide dry contact inputs for function status monitoring.

	DI	DO
<b>SSB-DO1</b>		1
<b>SSB-DO1-1</b>	1	1
<b>SSB-DO2</b>		2
<b>SSB-DO2-1</b>	2	2



	UI
<b>SSB-FII</b>	1

### SSB-FII

- Designed to fit in a standard 2x4 junction box, the SSB-FII provides a single remote universal input point designed to digitize any passive sensor such as an RTD, thermistor, etc

### SSB-UII, AOI, DII

This module provides excitation power for devices such as CO and CO<sub>2</sub> sensors, pressure sensors, etc.

	UI	DI	AO
<b>SSB-UII</b>	1		
<b>SSB-AOI</b>			1
<b>SSB-DII</b>		1	



### STATbus

STATbus™ is American Auto-Matrix's innovative sensor networking technology. STATbus is an open-topology network protocol that allows flexible connection of multiple I/O devices per channel using a single non-polar, twisted pair cable. This provides unprecedented flexibility in the installation and wiring of I/O sensors and devices to the GPC. Substantial saving can be realized in both wiring and installation costs as compared to conventional sensors. Also, STATbus uses digital communications signals, giving it a higher level of noise immunity than conventional, analog sensors.



# STATbus Expansion Modules

## SPECIFICATIONS

### GENERAL

#### NETWORKING

- ▼ Communications protocol: STATbus
- ▼ Wiring: 2- or 4-wire (device dependent), twisted pair
- ▼ Network configuration: multidrop bus

#### TERMINATIONS

- ▼ Pluggable terminal blocks for inputs and/or outputs, power and network connection.

#### OPERATING ENVIRONMENT

- ▼ temperature range: 32-122°F (0-50°C)
- ▼ humidity range: 5-80% RH, non-condensing

#### AGENCY APPROVALS

- ▼ UL listed 916, Management Equipment, Energy (PAZX) (pending)
- ▼ FCC rules Part 15 Class B Computing Device (pending)
- ▼ UL Recognized 873, Component-Temperature Indicating and Regulating Equipment
- ▼ Complies with CE directives and standards (XAPX2) (pending)

### SSB-FI1

#### I/O

- ▼ One (1) 12-bit Universal Input (interpolated to a 16-bit value)
- ▼ Selectable 0-5 VDC, 0-10 VDC, 0-20 mA or 0-250 kΩ input range. All ranges can be interpreted as a digital signal.

#### POWER REQUIREMENTS

- ▼ None

#### DIMENSIONS

- ▼ size: 3.02 x 1.41 x .95in. (7.67 x 3.58 x 2.41cm)
- ▼ shipping weight: .04 lb. (.018kg)

### SSB-UI1, SSB-AO1, SSB-DI1

#### I/O

- ▼ One (1) 24-bit Universal Input (SSB-UI1)
- ▼ One (1) Analog Output, Selectable 0-10 VDC or 0-20 mA output range (SSB-AO1)
- ▼ One (1) Digital Input (SSB-DI1)

#### POWER REQUIREMENTS

- ▼ 24VAC, 50/60 Hz, 1 A (max)

#### DIMENSIONS

- ▼ size: 4.2 x 4.2 x 1.0 in. (10.67 x 10.67 x 2.54cm)
- ▼ shipping weight: .50 lb. (.23 kg)

### SSB-DO1, SSB-DO1-I, SSB-DO2, SSB-DO2-I

#### I/O

- ▼ One (1) Digital Output (SSB-DO1)
- ▼ One (1) Digital Output, One (1) Dry Contact Digital Input (SSB-DO1-I)
- ▼ Two (2) Digital Outputs (SSB-DO2)

- ▼ Two (2) Digital Outputs, Two (2) Dry Contact Digital Input (SSB-DO2-I)

#### POWER REQUIREMENTS

- ▼ 24VAC, 50/60 Hz, 1.25 A (max)

#### DIMENSIONS

- ▼ size: 6.7 x 3.3 x .81 in. (17.02 x 8.38 x 2.06 cm)

#### shipping weight:

- ▼ .56 lb. (.25 kg) (SSB-DO2, SSB-DO2-I)
- ▼ .50 lb. (.23 kg) (SSB-DO1, SSB-DO1-I)

### SSB-IOXx-x IOX1-1

#### POWER REQUIREMENTS

- ▼ 24VAC, 50/60 Hz, 1.85 A (MAX)

#### DIMENSIONS

- ▼ SIZE: 5.75 x 7.29 x 1.30 IN (14.60 x 18.52 x 3.3 CM)
- ▼ WEIGHT: .86 LB (.39 KG)

### IOX1-2

#### POWER REQUIREMENTS

- ▼ 24VAC, 50/60 Hz, 1.85 A (MAX)

#### DIMENSIONS

- ▼ SIZE: 5.75 x 7.29 x 1.30 IN (14.60 x 18.52 x 3.3 CM)
- ▼ WEIGHT: .86 LB (.39 KG)

### IOX2-1

#### POWER REQUIREMENTS

- ▼ 24VAC, 50/60 Hz, 1.85 A (MAX)

#### DIMENSIONS

- ▼ SIZE: 6.50 x 9.13 x 1.45 IN (16.51 x 23.19 x 3.68 CM)
- ▼ WEIGHT: 1.34 LB (.61 KG)

### IOX2-2

#### POWER REQUIREMENTS

- ▼ 24VAC, 50/60 Hz, 1.85 A (MAX)

#### DIMENSIONS

- ▼ SIZE: 6.50 x 8.78 x 1.45 IN (16.51 x 22.30 x 3.68 CM)
- ▼ WEIGHT: 1.24 LB (357 KG)

### GPC I/O AND (EXPANDABILITY)

The flexibility of STATbus modules are utilized by the GPC family of controllers. Here, STATbus modules provide configuration options and flexibility that cannot be achieved with a conventional controller:

	UI	DI	AO	DO
GPC1	12 (24)	1 (8)	6(12)	6(12)
GPC2**	8	1	4	5
GPC3	0 (24)	0 (8)	0(12)	0(12)
GPC4*	12 (48)	1(8)	6(24)	6(24)

\*\*GPC-2 is only compatible with SBC-STAT family devices

\*GPC4 is available only in the BACnet version

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