

# Monitor XL™

## Enhanced I/O Expander and VBUS I/O Add-on Modules



### OVERVIEW

The Monitor XL Enhanced I/O Expander and VBUS I/O Add-on Modules utilize distributed processing technology to make system expansion simple and cost effective. This eliminates the need for a more expensive alternative, which could include a complete system replacement.

Both the 8- and 16-point expanders operate on our exclusive SNAPP bus. Adding VBUS I/O add-on modules will increase each expander up to 32 inputs and 32 outputs, allowing additional detection devices to be added to the system, often without the need to wire back to the main control panel.

The expanders' multiple I/O can be customized through the use of Boolean logic to offer advanced integrated functionality with its access control modules, closed circuit video, and other security and environmental systems. Each input on the advanced 8- and 16-point expanders supports the programming of customized single and dual end-of-line supervising circuit resistors values.

Expander modules can reside up to 2000 ft. (610 m) from the Monitor XL Control Panel, allowing them to be installed in the most effective location. Modules are supported by the XL board, Enhanced I/O board and IPSU power supply board to provide cost-effective expansion of the XL panel to 256 inputs and 128 outputs.

### STANDARD FEATURES

- Cost-effective intrusion and output point expansion
- Efficient installation
- Customized input circuit types supported
- RS485 connection up to 2000 ft. (610 m)
- Supports integration with other security technologies

# Monitor XL™

Enhanced I/O Expander and  
VBUS I/O Add-on Modules

North America  
T 855-286-8889

Asia  
T 852-2907-8108

Australia  
T 61-3-9239-1200

Europe  
T 32-2-725-11-20

Latin America  
T 561-998-6114

## Specifications

	8 or 16 Enhanced Expander Module	8 V-BUS Add-on Module
Inputs	8 or 16 two wire input modules	8 wire inputs
Outputs	2 low current 10ma outputs	8 Low current 10ma output 8 NO/NC dry contact outputs
Customized E.O.L. Circuit Supervision	Normally closed Normally Open with End-of-Line Normally Closed with End-of-Line Form C with End-of-Line Dual End-of-Line Custom End-of Line value	Normally closed Normally Open with End-of-Line Normally Closed with End-of-Line Form C with End-of-Line Dual End-of-Line Custom End-of Line value
Cable Requirement	Two twisted pair, shielded wiring 24 AWG cable required. Enhanced IO Expander SNAPP Bus max 610 meter (2000 ft). VBUS add-on modules max 30 cm (1 ft).	Two twisted pair, shielded wiring 24 AWG cable required. Enhanced IO Expander SNAPP Bus max 610 meter (2000 ft). VBUS add-on modules max 30 cm (1 ft).
Main Supply	Requires no external auxiliary power dependent on the number of devices connected. Auxiliary power available for sensors, dependent on number of modules and components connected to system.	Requires no external auxiliary power dependent on the number of devices connected. Auxiliary power available for sensors, dependent on number of modules and components connected to system.
Dimensions (WxHxD)	208 x 257 x 70mm (10.11 x 8.18 x 2.75 in.)	55 x 145 (2.16 x 5.70 in.)
Tamper Protection	On-board	N/A
Temperature Range	-10° C to 55° C	-10° C to 55° C
Humidity Range	10% to 93%	10% to 93%
Standards	ULC, UL ICAN, FCC, CE	ULC, UL ICAN, FCC, CE

## Ordering Information

### 8 or 16 Enhanced Expander Module

120-3643	8 Input/2 Transistor Output in Metal cabinet
120-3646	16 Input/2 Transistor Output in Metal cabinet
120-3648	8 Input/2 Transistor Output (PCB only)
120-3647	16 Input/2 Transistor Output (PCB only)

### 8 V-BUS Add-on Module

120-3642	8 Input add-on modules (PCB only)
120-3640	8 Transistor output add-on modules (PCB only)
120-3641	8 dry contact relay Add-on module (PCB only)



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Specifications subject to change without notice.

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