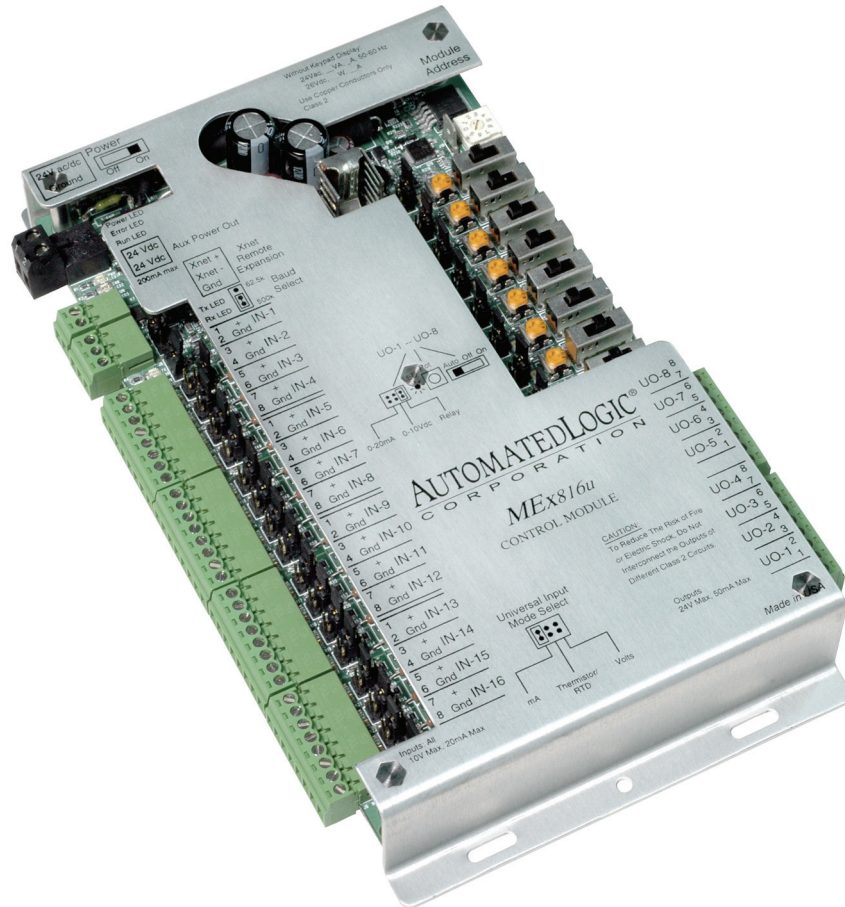# MEx I/O Expander
Superior Performance and Reliability

The MEx series of I/O expanders are designed for the powerful ME series of controllers, and for the most demanding control applications in the industry. The MEx I/O expanders can be remote mounted or directly mounted on the ME Controllers.

Key Features and Benefits

- High resolution Universal Inputs and Outputs for accuracy.
- Easy expansion of I/O using up to five MEx I/O expansion modules in a stack panel configuration or remote mounted up to 100ft away for scalable solutions.
- First MEx I/O expander can be mounted directly on top of the ME812u controller, reducing control panel space.
- Removable screw connectors for easy wiring, termination and service.
- Tough construction delivers superior performance and reliability. Modules are constructed with a rugged aluminum cover which provides optimum electrical protection and noise immunity.
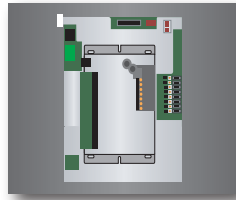
AUTOMATEDLOGIC
United Technologies

1150 Roberts Boulevard
Kennesaw, Georgia 30144
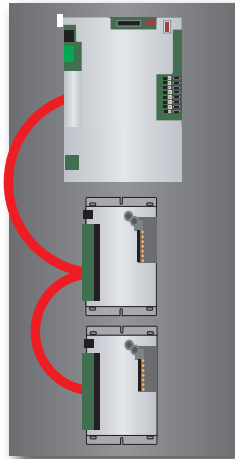770/429-3000
Fax 770/429-3001
www.automatedlogic.com

Flexible Panel Configurations
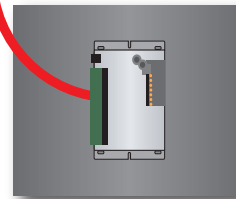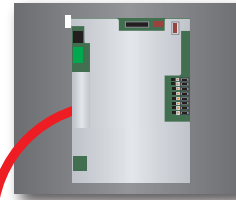
Direct Mounting

Easy expansion of I/O using up to five MEx816u expanders.

Stack Panel Mounting

Remote Panel Mounting

Product	Universal Outputs	Universal Inputs
MEx48u	4	8
MEx88u	8	8
MEx016u	0	16
MEx816u	8	16

Communication:	Xnet I/O Expander bus for 500 Kbps communications between ME controller and I/O Expanders.
Universal Inputs:	Configurable universal inputs with 14-bit A/D resolution. Supported input types include: 0-5 V-dc, 0-10 V-dc, 0-20 mA, Thermistor (10k Ohm Type II), 1k Ohm RTD (Platinum, Nickel or Balco), and Dry Contact. All inputs support pulse counting up to 40 cycles per second (12.5mSec minimum pulse duration).
Universal Outputs:	Universal outputs that are jumper configurable as 0-10V-dc, or 0-20mAdc with 12-bit D/A or 24V-dc @ 50mA relay drive. HOA (hand/off/auto) switches for all outputs, including potentiometer for manual adjustment of analog outputs.
Expansion:	Five MEx I/O expansion modules can be connected - one mounted directly on top of the controller, mounted locally in a stack configuration or remote mounted up to 100ft away. Compatible with legacy Mx I/O expanders using the 9-pin Sub-D connector only.
Status Indicators:	LED status indicators for Power, Run, Error, Xnet TX and Xnet Rx.
Addressing:	Rotary dip switches for intuitive network addressing of modules.
Protection:	Built-in surge and transient protection circuitry for power, communications and I/O.
Listed by:	UL916 (Canadian Std C22.2 No. 205-M1983), CE, FCC Part 15 - Subpart B - Class A.
Environmental Operating Range:	-20ºF to 140ºF (-29ºC to 60ºC); 10 to 90% relative humidity, non-condensing.
Power Requirements:	24 V-ac ± 10%, 50-60Hz, 45VA, or 26 V-dc ± 10%, 21W. NOTE: Power consumption will increase when BACview6 or other accessories are attached.
Physical:	Rugged aluminum cover. Removable screw terminal blocks.
Weight:	1.4 lb. (45.5 kg)
Dimensions:	

Width **Depth** **Height**
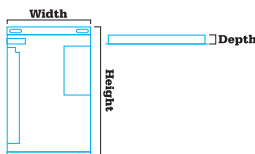
Overall
Width: 4-3/4" (121mm)
Height: 9" (229mm)
Depth: 1-1/2" (38mm)

Mounting
Width: 2-3/4" (70mm)
Height: 8-1/2" (216mm)

Automated Logic Corporation . 1150 Roberts Boulevard . Kennesaw, Georgia 30144 . 770/429-3000 . Fax 770/429-3001 . www.automatedlogic.com

Made in the USA

ENERGY STAR PARTNER

MEX_CS_r4