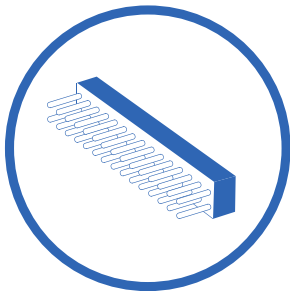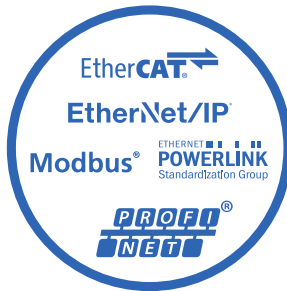# Introducing the new MI/O-67 from MAC Valves

The MI/O-67 platform simplifies the wiring needed for a system by allowing for in-depth control of valves, digital I/O, and analog I/O over a single communication cable.
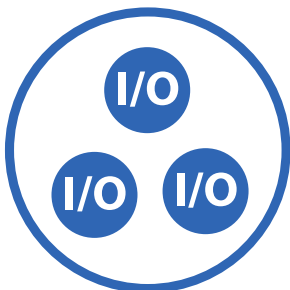

MAConnect
The MI/O-67 utilizes existing MAConnect technology with MI/O-67 specific part numbers

Five Protocols
Five protocols offered for flexibility of different customer systems

Three Modules
Digital, Analog and PowerPlus modules allow the MI/O-67 to accommodate any I/O or additional valves needed

IP67
The MI/O-67 is designed to meet IP67 washdown specifications (with appropriate valve series modifications)

Buchanan Automation, Inc. was founded in 1963 by Angus Buchanan. His philosophy was to offer our customers the very best in service and that is illustrated by our Quality Statement:

To provide our business partners with:

> **WHAT** they want
> **WHEN** they want it
> The **WAY** they want it

The company started as a stocking distributorship for fluid power products and has grown into a multi-disciplined automation provider.

As a member of the MAC Distributor Network (MDN), Buchanan Automation is a part of a global organization of independent distributors and manufacturers with the common focus of customer service and support anywhere in the world!

To find out more, visit us at our new website:

www.buchanan-a.com/

or contact one of our offices:

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1920 Bickford Ave
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p (360) 799-7070
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FREMONT, CA
Serving N. CA, N. NV
940 Auburn Court
Fremont, CA 94538
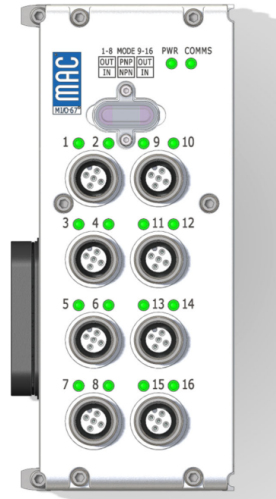p (510) 580-6206
f (510) 580-6207

Communications Module

The Communication Module is the center of the MI/O-67 platform, giving you control over all of the valves and modules connected.
There are five communication protocols available:

- Ethernet/IP
- EtherCat
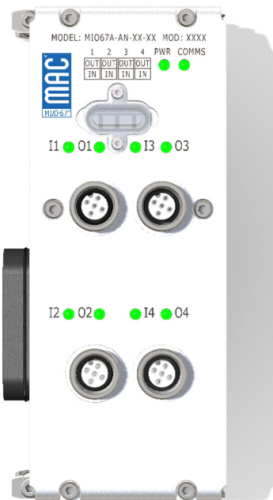- PowerLink
- Profinet
- Modbus/TCP

Digital I/O Module

The Digital I/O module gives you 16 points of configurable Inputs and Outputs.
The module is configurable by dip switches in the following ways:

- The whole module is configurable as PNP or NPN
- The first 8 points of I/O are configurable as inputs or outputs
- The second 8 points of I/O are configurable as inputs or outputs
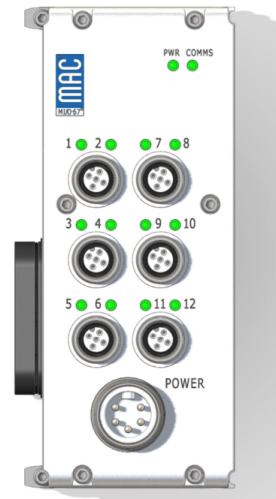
Analog I/O Module

The Analog Module gives you 4 analog I/O points that are each configurable by dip switches to be inputs or outputs.
The module is ordered in one of two varieties:

- Analog Voltage (0V-10V)
- Analog Current (4mA-20mA)

PowerPlus Module

The PowerPlus Module allows you to control 12 outputs from an external power source.
That power is brought into the PowerPlus through the 7/8" connector on the bottom of the module.
There are 2 outputs per M12 connector, and each output can draw 0.5A.

Additional Information

The communication module is the center of the system, with the valves on the right and any additional modules to the left. The system distributes 8A of 24V power to the Valves, and another 8A to the Input and Output modules.

You can have up to 32 solenoids connected, in any mixture of single and double solenoid valves. With 0.5A available per valve, the system can power solenoids up to 12W.

Up to 12 modules can be added to a single MI/O-67 stack.

The MI/O-67 Platform is currently compatible with the following MAC valve series:

- 36/46 Series
- 42 Series
- 92 Series