

# NEWS RELEASE

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## **New Ethernet I/O Simplifies Interfacing Discrete Sensors and Actuators to Monitoring/Control Systems**

*Acromag introduces the first releases in their new BusWorks XT series of remote I/O modules with multi-protocol Ethernet communication and dual network ports for easier installation.*

**Wixom, MI:** Acromag's new BusWorks<sup>®</sup> XT Series Ethernet I/O Modules interface discrete I/O signals directly to an Ethernet/IP, Modbus/TCP or Profinet measurement and control system network. An innovative new module design features dual Ethernet ports, removable front-facing terminal blocks, and support for a rail power bus. A USB port provides an easy connection to a PC for fast configuration and setup with free Windows software. Two models offer sixteen digital I/O channels supporting any combination of inputs and outputs for monitoring or control functions involving discrete devices (on/off, high/low, open/close). The XT1110 and XT1120 have sinking or sourcing outputs, respectively, and read-back capability to verify the status. Suitable for use in harsh environments, modules operate from -40 to 70°C with noise immunity and surge protection. CE and UL/cUL Class 1 Division 2 Zone 2 hazardous location approvals are pending. All units are attractively priced at \$320 in US or only \$20 per channel.



“The BusWorks XT Series implements many new technologies for easier installation and superior performance. Innovative packaging adds convenience while the Ethernet interface leverages Innovasic’s PriorityChannel™ technology for increased reliability,” explained Don Lupo, process group sales and marketing director. “PriorityChannel ensures critical data are received regardless of network traffic.”

Each model offers a choice of Ethernet/IP, Modbus TCP/IP, or Profinet protocols. Peer-to-peer i2o<sup>®</sup> communication is also supported. Dual 10/100 Ethernet ports allow daisy-chaining units together to simplify cabling and minimize the network switches required, thus reducing overall system costs.

The sixteen channels on each unit are configurable for any mix of I/O. Inputs accept 0-32V DC discrete level signals with TTL thresholds. Outputs provide 0-32V DC open-drain discrete level control signals that are either sinking (up to 250mA) on the XT1110 or sourcing (up to 250mA) on the XT1120. All units run off a 12- 32V DC power source (2.5W) at the terminals or through an integrated power connector bussed along the DIN rail that can provide primary or redundant power.

For more dependable communication, BusWorks XT units employ Innovasic PriorityChannel technology which makes certain that critical data is received on time regardless of traffic on the network. PriorityChannel provides determinism at the device for consistent transmission of time-sensitive data with any of the Ethernet protocols.

Many other features add greater flexibility and performance. Built-in 10K ohm pull-up resistors facilitate use with 2/3-wire sensors such as contacts, proximity, or TTL devices. The configuration software enables selection of normal or reverse input logic. For reliability, a continuously changing “heart-beat” register validates module operation. Watchdog timer control of failsafe outputs further enhances dependability..

Acromag has designed and manufactured measurement and control products for more than 50 years. With a headquarters near Detroit, Michigan and a global network of sales representatives and distributors, Acromag products are sold worldwide. They offer a complete line of industrial I/O products including process instruments, signal conditioning equipment, data acquisition boards, distributed I/O modules, and network communication devices. Industries served include manufacturing, water services, power generation, mining, defense, and transportation.

For more information about Acromag products, call the Inside Sales Department at (248) 295-0880 or Marketing Communications at (248) 295-0865. Send faxes to (248) 624-9234. You can also visit us online at [www.acromag.com](http://www.acromag.com), e-mail [sales@acromag.com](mailto:sales@acromag.com), or write Acromag at P.O. Box 437, Wixom, MI 48393-7037 USA.

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Shown: New BusWorks XT Ethernet I/O Modules

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