N E W S   R E L E A S E

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New 8-Channel Ethernet Modules Provide a Reliable Interface for Analog Current or Voltage Inputs

Acromag expands their line of Ethernet I/O modules to include differential analog input units for reliable measurements regardless of noisy signals or network traffic.

Wixom, MI: Acromag has expanded its BusWorks® XT Series of Ethernet I/O modules with XT1210 and XT1220 models that provide an 8-channel interface for analog voltage or current input signals and Ethernet/IP, Modbus/TCP, Profinet, or peer-to-peer communication. Differential inputs have superior noise rejection for reliable measurements when radio frequency or electromagnetic interference is present. Internal software helps eliminate the effects of network traffic loads for more reliable messaging. The sleek design features dual Ethernet ports, removable front-facing terminal blocks, and DIN rail power bus support. Its convenient USB-to-PC connection makes configuration fast and simple with free Windows software. Suitable for use in harsh environments, all modules operate from -40 to 70°C with high voltage isolation, surge protection, and CE approval. UL/cUL Class 1 Division 2 Zone 2 hazardous location approval is pending. All units are available at $495 USD each.

"We continue to develop the BusWorks XT Series to provide even greater versatility, adding analog input modules alongside our current line of digital I/O," explained Don Lupo, process group sales and marketing director. "The use of differential inputs and Innovasic's PriorityChannel™ technology greatly increase reliability by eliminating the risks of signal interference and network congestion."

The XT1210 model accepts current inputs of 0-20mA, 4-20mA, ±20mA DC, or 0-20 amps AC with an optional toroid sensor. The XT1220 accommodates ±5V, ±10V, 0-5V, or 0-10V DC input ranges. All units run off a 12- 32V DC power source (2.8W) at the terminals or through an integrated power connector bussed along the DIN rail that can provide primary or redundant power. Several versions offers a choice of Ethernet/IP, Profinet, or Modbus TCP/IP protocols with peer-to-peer i2o® communication support. Dual 10/100 Ethernet ports allow daisy-chaining units together to simplify cabling and minimize the network switches required, reducing overall system costs.

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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. High input impedance reduces loading on voltage loops. The configuration software enables use of sample averaging on a per-channel basis. For reliability, operation and diagnostic LEDs offer visual status updates and aide in trouble-shooting.

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, e-mail sales@acromag.com, or write Acromag at 30765 S. Wixom Rd., Wixom, MI 48393-7037 USA.

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