Axiomatic's design team specializes in rugged automation and power solutions for machines.

New Product Announcement Newsletter

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Axiomatic Releases A Compact Protocol Converter for CAN (SAE J1939), Ethernet, RS-422/ RS-485, and Two RS-232, Suited For Harsh Environments

- The **AX142100A Protocol Converter** enables bidirectional data exchange between the three serial ports (one RS-422/ RS-485 and two RS-232), CAN (SAE J1939), and Ethernet (proprietary TCP communications) based on custom routing configuration.
- Data is forwarded “as-is” between the different serial ports. CAN/ Ethernet data is forwarded directly to serial interfaces with the configuration allowing the user to specify the CAN message ID (or TCP port) to listen for data to be forwarded.
- All parameters can be configured through a web browser using the built-in web server running on the device. The unit is IP67 rated with one 12-pin and one 8-pin M12 Phoenix Contact connector.
- It is designed for harsh environments having power transients, humidity, vibration, and shock. It operates from -40 to 70°C (-40 to 155°F).

Learn More About AX142100A

CAN I/O Modules with Form C Relay Outputs

See All Modules

Axiomatic Technologies offers a range of CAN I/O Modules with Form C Relay Outputs for diesel and marine engines, gensets, and machine control systems. Many of these units come in rugged enclosures of various forms and sizes which are suitable for use in harsh environments. Modules in compact and DIN Rail enclosures are also available. All these modules feature isolated CAN ports.

- The **AX180800** can read 20 thermocouple, 2 PT 100 RTD, and 4 universal signal inputs and can control 6 Form C relays. It can communicate over an Ethernet (TCP/IP) port as well as 2 isolated CAN ports. It uses SAE J1939 protocol with auto-baud-rate detection.
- The models **AX031800**, **AX031801**, **AX031850**, **AX031850-01**, **AX031850-02**, and **AX031851** can read 12 discrete inputs and operate 8 Form C relays. They can network with CAN SAE J1939 or CANopen® field bus based on the part number.
- DIN Rail mount units **AX031950**, AX031950-01, and AX031950-02 boast 1 universal input, 1 Form C relay output, 1 analog output, and a +5V reference.
- A few modules like **AX130750**, **AX130751**, **AX130770**, **AX130770-01**, **AX130770-02**, and **AX130771** do not feature any inputs but provide 1 Form C relay and 2 analog/digital outputs. They support either CAN SAE J1939 or CANopen® networks depending on the model.

Learn More About Discrete I/O Modules

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We look forward to working with you!