

Axiomatic releases a compact and powerful CAN J1939 Valve Controller with 4 Outputs.



The AX020600 is the latest product in Axiomatic's portfolio of CAN networked Valve Controllers.

This new valve controller [AX020600](#) features 1 SAE J1939 compliant CAN port for controlling the outputs over the CAN bus. It can operate with a power supply of 8 V to 36 V. Using the CAN network, it can provide control of up to 4 outputs, configured for a wide variety of responses and up to 2.5 A per channel. For example, it can drive proportional valves, on/off valves, or provide a hotshot control profile. PWM signal or proportional voltage outputs are also user selectable. Standard control logic is provided. The powerful microcontroller can accommodate complex application-specific control algorithms for advanced machine control on request.

Its compact design, rugged IP67 rated enclosure and input surge protection meet the rugged demands of mobile equipment and heavy-duty industrial machine control applications, such as PID closed loop valve control and hydraulic valve control. The [AX020600](#) is also suitable for the harsh environments of off-highway construction equipment and municipal vehicles. It can operate from -40 to 85°C (-40 to 185°F).

[Click Here for More Details](#)



Axiomatic releases an Automotive Ethernet to Ethernet Converter suited for harsh environments.

The [AX141550](#) Gigabit Automotive Ethernet to Gigabit Ethernet Converter provides a purely physical, bi-directional conversion between Automotive Ethernet (1000BASE-T1 and 100BASE-T1) and Ethernet (1000BASE-T and 100BASE-TX) via PHY transceivers. No packets are stored or modified in this device. It supports baud rates of 100 and 1,000 Mbit/s. Status LEDs provide information on connection link and communication. The device is configured via the RS-232 port to act as a Master or Slave for Automotive Ethernet. It is designed for the harsh environments of off-highway or industrial equipment with an IP67 rating. It operates from -40 to 80°C (-40 to 176°F) and carries CE marking. The Institute of Electrical and Electronic Engineers (IEEE) 802.3bp standard (also known as 1000BASE-T1) is a 1000 Mbps Automotive Ethernet standard aimed at increasing data throughput, meeting strong automotive emissions standards, and reducing cabling weight and cost in automotive networking. Automotive Ethernet networks use a 2 wire, unshielded, twisted pair (UTP) cable.

The [AX141550](#) is only the latest product in Axiomatic's portfolio of Automotive Ethernet Converter lineup which, among others, includes:

- AX141500-M & AX141500-S Automotive Ethernet to Ethernet Converters
- AX141520 High Speed Automotive Ethernet to Ethernet Converter
- AX141530 Automotive Ethernet to CAN Converters.

[Learn More About AX141550](#)



Axiomatic releases a compact and rugged single voltage, current, and PWM output controller with CAN SAE J1939 interface.

The [AX130760](#) CAN to Single Output Controller has a powerful microcontroller and versatile control algorithms. Its independent function blocks allow the user to configure it for a wide range of applications without the need for custom firmware. All parameters and function blocks are user configurable through the Axiomatic Electronic Assistant. It features one user configurable Current, Voltage, and PWM output type. Communication is over an SAE J1939 compliant CAN bus. It can operate at standard 250 kbit/s and 500 kbit/s and non-standard 667 kbit/s and 1 Mbit/s baud rates. The required baud-rate is detected automatically upon connection to the J1939 network. This new controller can operate with battery power supply of 9 V to 36 V and is protected against reverse polarity, surge and transient, undervoltage, and overvoltage. It works in temperatures from -40 to 85°C (-40 to 185°F). Its compact enclosure is rated IP67 against dust and water ingress.

Because of its rugged enclosure and robust control algorithms, [AX130760](#) may be used in distributed control applications in:

- Commercial vehicles
- Industrial equipment
- Off-highway equipment
- Agricultural equipment

[More Details? Click Here](#)

We moved in 2023 to accommodate growth in our design and manufacturing capacity!

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We look forward to working with you in 2024!