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

Here's a recap of some new Axiomatic products from 2024.

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Dual CAN FD to Ethernet Converter - AX140970

It converts Classic CAN or CAN FD (Flexible Data-Rate up to 8Mbit/s) frames into UDP or TCP/IP datagrams and transmits them over the Ethernet network (up to 100Mbit/s) and vice-versa. All types of Classic CAN and CAN FD frames are supported. It runs on a Real-Time Operating System (RTOS) to ensure low latency. The device can be configured and monitored using a web browser.

Learn More About AX140970

4 Outputs Valve Controller - AX020600/AX020601

This controller has 4 outputs, up to 2.5A per channel. It can drive proportional or on/off valves and generate PWM signals or hotshot control profiles. It comes in a compact plastic enclosure. Its powerful microcontroller can be programmed with application-specific control algorithms for advanced machine control on request. Model AX020600 networks to SAE J1939 and model AX020601 supports CANopen®.

Learn More About AX020600 **Learn More About AX020601**

4 Port Gigabit Ethernet Switch - AX140720

This is an unmanaged switch. Three of these ports can communicate at up to 1000Mbps (Gigabit Ethernet) and one port can communicate at up to 100Mbps. Each port has LED indicators showing the status of the ports. The device carries CE marking.

Learn More About AX140720

2.5A H-Bridge Motor Controller - AX103000

This controller has 3 universal signal inputs selectable as: voltage, PWM, frequency, or digital signal. The 2 half-bridge outputs (up to 2.5A each) can be configured as high side or low side, proportional current, proportional voltage, PWM duty cycle, or hotshot digital. The two outputs together form one full H-bridge which can be used to drive DC motors.

Learn More About AX103000

Gigabit Automotive Ethernet/Gigabit Ethernet Converter - AX141550

It provides a purely physical, bi-directional conversion between Automotive Ethernet (Single Pair Ethernet or SPE) and Ethernet 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 carries CE marking.

Learn More About AX141550

Axiomatic at BAUMA 2025

Come and join us at the BAUMA trade show in Munich, Germany. April 7-13, 2025. Axiomatic will showcase Gigabit Automotive Ethernet, Gigabit Ethernet, 48VDC Power Converters and BLDC Motor Controllers in Hall H2/449.

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We look forward to working with you!