

AXIOMATIC

Global Electronic Solutions

Axiomatic controls design engineers have developed automation solutions for rugged environments.

New Product Announcement Newsletter

Issue: July 2024

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OFF-HIGHWAY VEHICLE TECHNOLOGY

Axiomatic Technologies Corporation
Stand: 1408

21-22 August 2024, Donald E. Stephens Convention Center, Chicago

AXIOMATIC
Global Electronic Solutions

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Introducing the AX140970 Dual CAN FD to Ethernet Converter suited for harsh environments.

Axiomatic is releasing a new Dual CAN FD to Ethernet Converter [AX140970](#) with the following key features.

- 2 isolated CAN ports supporting
 - High-Speed Classic CAN with data rate up to 1Mbit/s; or
 - CAN FD (ISO or Non-ISO) with data rate up to 8 Mbit/s
- 1 Ethernet port supporting data rate up to 100 Mbit/s
- 12 Vdc, 24 Vdc input power (nominal) for connection to a battery
- 2 power outputs (Vps) to power an external device over CAN
- Protection against surge, reverse polarity, input overvoltage, output overcurrent, output short to battery/GND
- Power, link/activity, and speed LED indicators
- The converter software runs under control of a Real-Time Operating System (RTOS) to ensure low latency in processing CAN and Ethernet messages.
- One 8-pin and two 5-pin M12 Phoenix connectors
- Compact, IP67
- User configurable using a web browser
- User Manual: UMAX140970

[View the datasheet](#) or download the [press release](#) for additional information.

It is available from production and is profiled on our website.

[Learn More About AX140970](#)



6 Digital Inputs Controller, SAE J1939, Auto-Baud-Rate Detection

Axiomatic is releasing a new [6 Digital Inputs Controller AX032160](#) with the following key features.

- 2 SAE J1939 CAN ports
- 6 digital signal inputs selectable as:
 - PWM
 - Frequency
 - Digital type
- 12/ 24/ 48 Vdc nominal power input (8 to 60 Vdc range) for connection to a battery
- Operates from -40 to 85 °C (-40 to 185 °F).
- Protection against surge and transient, reverse polarity, undervoltage, and overvoltage
- IP67
- Compact Enclosure, 12-pin Connector (TE Deutsch equivalent)
- Configurable via the Axiomatic Electronic Assistant
- User Manual: UMAX032160

View the [datasheet](#) or download the [press release](#) for additional information.

AX032160 is available from production with a lead time and is profiled on our website.

[Learn More About AX032160](#)



Isolated 60 W, 12 to 48 VDC converter in rugged enclosure with CE/UKCA marking for construction equipment environments.

Axiomatic showcases [AX083110](#), a 12 Vdc to 48 Vdc Converter, Isolated, 60 W.

- EMI/EMC compliant with CE/ UKCA marking
- SAE J1455 and SAE J1113 compliant (including load dump and cranking transients)

View the [datasheet](#) or download the [press release](#) for additional information.

AX083110 is available from production with a lead time and is profiled on our website.

[Learn More About AX083110](#)

Axiomatic Technologies Corporation

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We look forward to working with you!