

TWO VERSIONS

Protocol converter with CAN for connectivity

Axiomatic Technologies introduced its Modbus router with CAN and Ethernet to provide connectivity. It is available in two variants. Featuring data exchange between a CAN network (SAE J1939), EIA-485, and Ethernet, this product is user configurable via a web browser.



(Source: Axiomatic)

The protocol converter comprises one isolated extended frame format CAN interface as well as one isolated EIA-485 (Modbus RTU), and one Ethernet port (Modbus TCP). The product has two models; the AX141810, working as a bidirectional Modbus (RTU+TCP/IP) to CAN and vice versa, and the AX141830 working in a CAN to Modbus (RTU+TCP/IP) direction.

The AX141810 is operational from 9 V_{DC} to 36 V_{DC} (12 V_{DC}, 24 V_{DC} nominal), with an integrated TE Deutsch 12-pin connector. It offers surge, over-voltage, and reverse polarity protection. The product provides a protection rating of IP67, allowing it to survive harsh environments during applications such as communications interface between machine and controls systems with a superordinated manager.

The company's protocol converters, routers, and CAN gateways provide end users and OEM's (original equipment manufacturer), a solution for integrating their legacy or regular systems. Axiomatic

products support one to one conversion of TTL, EIA-232, EIA-485, two CAN networks, and Ethernet (and proprietary protocols on request).

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