



Axiomatic releases two Gigabit Automotive Ethernet to Gigabit Ethernet converters suitable for on-highway and off-highway applications.



AX141560

The Axiomatic [AX141560](#) and [AX141560A](#) Gigabit Automotive Ethernet to Gigabit Ethernet Converters provide a purely physical, bi-directional conversion between Automotive Ethernet (1000BASE-T1) and Ethernet (1000BASE-T) via PHY transceivers. Baud rates of 100 Mbit/s and 1 Gbit/s (1000 Mbit/s) are supported and can be set through the RS-232 interface.

The AX141560A has an A-coded Automotive Ethernet connector and an X-coded Ethernet connector while in AX141560, both these connectors are X-coded.



AX141560A

These converters operate with a power supply input of 9 V to 36 V and are protected against surge, reverse polarity, over-voltage, and under-voltage faults. The units operate at temperatures between -40 to 85 °C (-40 to 185 °F) and feature an IP67-rated, laser welded, and injection molded enclosure and cover.

The [Automotive Ethernet to Ethernet Converters](#) are configured via the RS-232 port to act as a Master or Slave for Automotive Ethernet. The Master mode works if the connected device has its transceiver set to slave mode. The Slave mode works when the connected device has its transceiver set to master mode. Hard setting the Master/Slave relationship saves on setup-time costs and ensures that the Automotive Ethernet link is established quickly. Automotive Ethernet networks use a 2-wire, twisted pair cable. As a comparison, regular Ethernet converters rely on auto-negotiation to determine Master and Slave.

[AX141560](#) and [AX141560A](#) are the newest releases as Axiomatic expands its Automotive Ethernet to Ethernet Converter line-up.

- [AX141500-M](#), Basic Automotive Ethernet/Ethernet Converter
- [AX141510](#), 3x Gigabit Automotive Ethernet / 1x Gigabit Ethernet Switch
- [AX141520](#), High Speed Automotive Ethernet/Ethernet Converter
- [AX141550](#), Gigabit Automotive Ethernet/Gigabit Ethernet Converter, A-Coded Connectors
- [AX141590](#), 4x Gigabit Automotive Ethernet / 1x 10 Gigabit Ethernet Switch

See All Axiomatic Automotive Ethernet to Ethernet Converters



Axiomatic was highlighted in Power Progress News

Our team's latest offerings and our company's commitment to quality electronic control design were featured by the team at Power Progress News.

Read the article

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