

PRESS RELEASE

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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 Ethernet (1000BASE-T) 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.

For more details, please visit:

<https://products.axiomatic.com/item/connectivity/automotive-ethernet-to-ethernet-converters/ax141550>

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, and
- AX141530 Automotive Ethernet to CAN Converters.

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