PRESS RELEASE

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Axiomatic releases a rugged Automotive Ethernet to Ethernet Switch, AX141510, that supports speeds up to one gigabit, designed for autonomous vehicles in on-highway, off-highway, and mining applications.

The Axiomatic Gigabit Automotive Ethernet to Gigabit Ethernet Switch, AX141510, is a 4-port switch that enables communication between three 1000BASE-T1 Automotive Ethernet ports and one 1000BASE-T Ethernet port. The AX141510 device is designed for application in mining, on-highway, and off-highway equipment needing camera, radar, and LIDAR interfaces. Additionally, the switch is also designed for application in industrial trucks.

AX141510 — 3x Gigabit Automotive Ethernet / 1x Gigabit Ethernet Switch

The switch operates with a nominal power supply input of 12 or 24 VDC (9 to 36 VDC power supply range) and is protected against surge, reverse polarity, over-voltage, and under-voltage faults. The unit operates at temperatures between -40 to 85 °C (-40 to 185 °F) and features an IP67-rated, laser welded, injection molded enclosure and cover.

AX141510 runs on a web server and can be configured through the web interface 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. As a comparison, regular Ethernet converters rely on auto-negotiation to determine Master and Slave.

For more details, please visit the AX141510 webpage.

Axiomatic has released a KIT model, featuring applicable accessories, P/N: AX141510K.

The AX141510 Gigabit Automotive Ethernet to Gigabit Ethernet Switch is the newest addition to Axiomatic Technologies' Automotive Ethernet Switches line-up.
- AX141570 — 6 Port Gigabit Automotive Ethernet Switch
- AX141590 — 4x Gigabit Automotive Ethernet / 1x 10 Gigabit Ethernet Switch

You can browse through our catalog of Automotive Ethernet Switches and other Connectivity Solutions.

Axiomatic specializes in the design, development, and production of control solutions tailored for diverse applications where performance and reliability are of utmost importance. Our team of design engineers designs products in both Canada and Finland, while our manufacturing operations are located in Canada. Sales offices are in Australia, Canada, Finland and USA.

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