Serial to Fiber Optic Converter

The CAX-MOXA, Serial to Fiber Optic Converter, allows Advanced Axis AX Series AD-NeT-PluS network (peer-to-peer network) installations to be converted from copper wiring to fiber optic cabling.

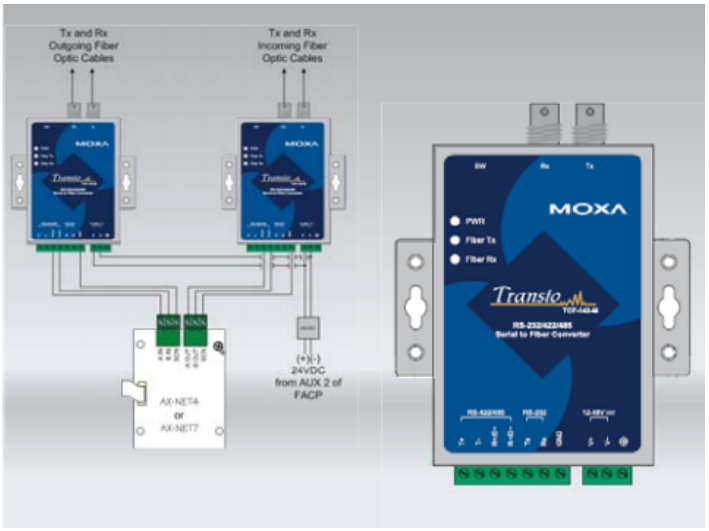
By converting AD-NeTPluS networks from copper wiring to fiber optic cabling a customer gains immunity from electrical interference, immunity from adverse temperature and moisture conditions, and a communications path/length that exceeds copper wiring distances.

The CAX-MOXA is mounted in its own enclosure (CAX-GCAB) adjacent to the Axis AX Series AD-NeT-PluS node (i.e. Intelligent Fire Alarm Control Panel, Annunciator, CAX-LAN [ipGateway] or any other network node) that it is going to be converting to fiber optic cabling.

A total of two CAX-MOXA serial to fiber converters will be required for the incoming network and outgoing network wiring of each node for Style 7 configurations. However, in a Style 4 network configuration only one CAX-MOXA serial to fiber converter is required at the beginning of the network and one at the end of the network, with all nodes in between requiring two.

By utilizing CAX-MOXA, Serial to Fiber Optic Converters, installation cabling can be a mixture of both copper and fiber optic cabling. This allows the use of the fiber optics only in those areas requiring fiber optic communications paths.

Each set of CAX-MOXA's get connected to the AD-NeTPluS node 24 VDC non-resettable power via an CAX-DCI isolation power module.



Features

- Converts Copper Wiring to Fibre Optic Cable
- Increased Immunity from Electrical Interference
- Supports Style 4 and 7 Configurations
- Increases Network Distances
- On-Board Status LEDs
- Allows AD-NeT-PluS to Support Fibre Optic Cabling
- Entire Installations or a Mixture of Copper & Fiber Optic Cabling
- Easy to Install and Maintain
- Removable Terminal Blocks
- ST Fiber Optic Connections

Listings and Approvals

- CAN/ULC-S527-11 & CAN/ULC-S559-04 Listed: 100780709NYM-001

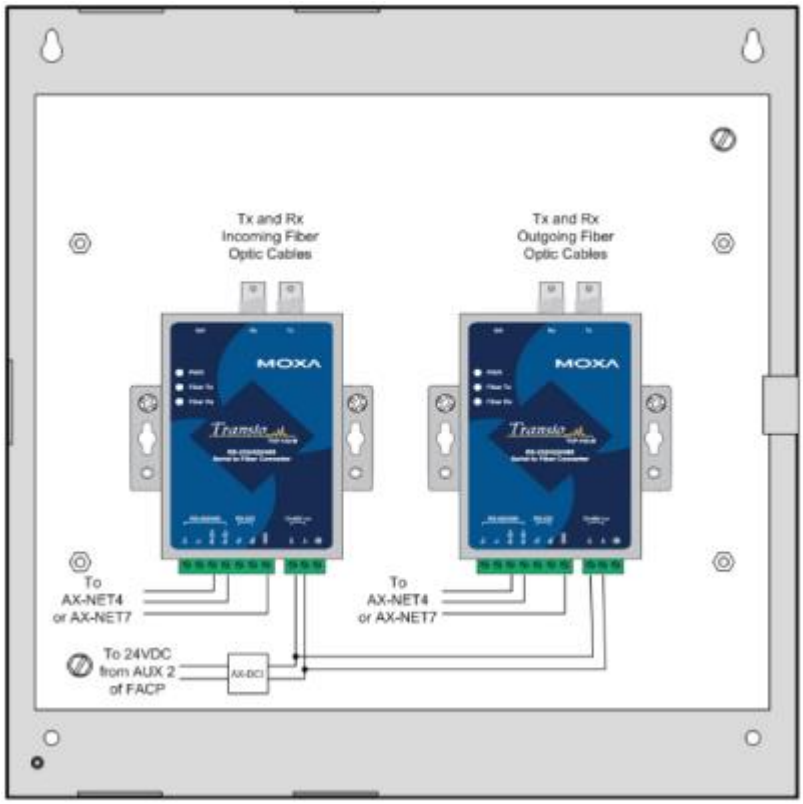
Specification

Operating Voltage	12 - 48 VDC
Operating Current	17 mA
Operating Temperature	32-120°F (0-48°C)
Environment	Indoor, Dry
Fiber Communications Connector Type Distance Support Cable Wavelength TX Output RX Sensitivity Transmission	 ST 5 km 50/125, 62.5/125 or 100/140 ìm 850 nm > -5 dBm -20 dBm Half or Full Duplex
Humidity	10-95% (Non-condensing)
Dimensions	3.95”L x 2.64”W x .87”H
Weight	4.5 oz
CAX-DCI	
Operating Voltage	18 - 30 VDC
Wiring Input Current Output Current	Power Limited with Auto-Recovery Short Circuit Protection 0.11 Amp 0.083 Amp (Maximum draw)
CAX-GCAB	
Environment	Indoor, Dry
Humidity	10-95% (Non-condensing)
Dimensions	14”H x 14”W x 3 1/4”D
Weight	11 lb 4 oz

Order Codes and Options

CAX-MOXA	Serial to Fiber Optic Converter
CAX-DCI	DC Power Isolator Module
CAX-GCAB	General Purpose UL Listed Enclosure with Universal Mounting Plate

Wiring Diagram



Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.