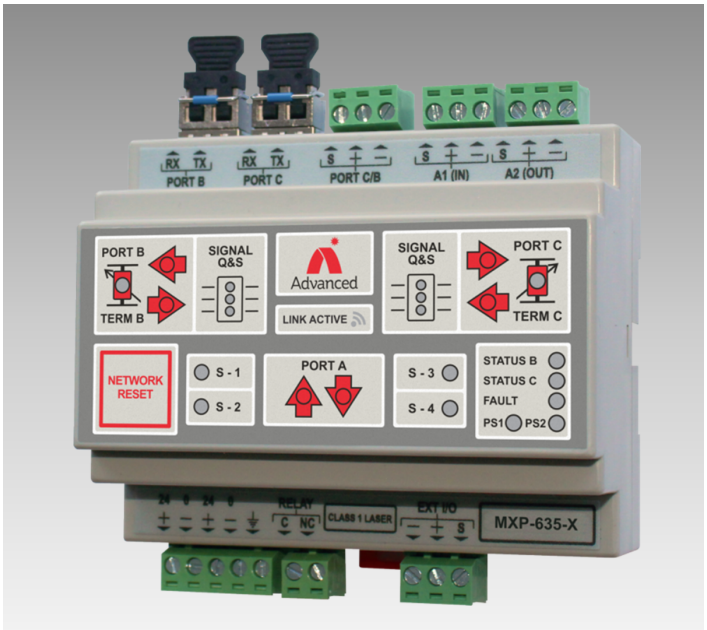
MxPro^5

Fibre Optic Converter - Active

The MXP-635-A (active), when used in conjunction with SFP modules, is a full fibre or hybrid copper/fibre modem, for both radial and ring topology networks for use with MxPro^5 and AxisEN fire panels. This equipment is designed for reliable data communication and easy visual system diagnostics, to improve the Quality of Service (QoS) of critical communication networks while operating under the performance criteria required by BS5839 part 1.

In addition, this has been developed to facilitate dynamic network management. The active fibre optic converter provides the functionality for fibre optic system monitoring, diagnostics & reporting, and is used in conjunction with the IVIEW Graphical User Interface.



Approvals

- CE, UKCA, RoHs, WEEE compliant
- EMC: EN 61000-6-2
- EMC: EN 61000-6-4
- Safety: EN 60950

Features

- Intelligent Fibre Optic Communication Interface, dynamic network management
- Independent Reporting with Class A communication redundancy with multiple fault tolerance
- 5 kV Galvanic Isolation on all Ports
- Support of single and dual port industrial equipment RS-485 connections
- Simple LED status indication for Fibre and RS-485
- Hot-swappable small form-factor pluggable (SFP) modules:
  - Multi-mode (Fibre cable lengths up to 2km)
  - Single-mode (Fibre cable lengths up to 20km)
  - Bi-Di (Fibre cable lengths up to 20km)
- Single modem routes both in and out ports so that only one is required per panel
- Ports B or C with RS-485 transceivers have adjustable termination to correctly match the loop cabling segment
- Single switch configuration for fibre optic/RS-485 mediums
- Baud rate selectable from 9600 - 115200 bits/sec
- DIN rail mountable
- Redundant power supply for increased reliability
- Graphical User Interface, IVIEW, provides fibre optic system monitoring, diagnostics and reporting options. Availability is dependent on system requirements
- Compatible with MxPro^5 and AxisEN systems

Specification

Operating voltage:	18 - 36V (24V DC nominal)
Rated current:	250mA (at 24V)
RS-485:	Port A1 - Selectable Fixed Termination, in accordance with EIA RS-485 Port A2 - Selectable Fixed Termination, B or C, in accordance with EIA RS-485
Fibre Optic /RS-485:	Port B - Fibre Optic, SFP Connector (Specification as per selected SFP transceiver) Port C - Fibre Optic, SFP Connector (Specification as per selected SFP transceiver) Port C - Dynamic Termination Port A1, A2 (& Port C - FC model) - Isolated (2.5kV) Baud Rate - 9600 to 115200 (selectable / configurable)
USB:	USB Micro-B connection (Device/Slave Mode)
Operating temperature:	-10 to 50°C
Storage temperature:	-40 to 70°C
Dimensions:	115 X 105 X 58 mm
Weight:	200g
Mounting:	DIN Rail EN60715 (width 35 mm)

Order Codes and Options

MXP-635-A	Fibre Optic Convertor – Active
MXP-635-P	Fibre Optic Convertor – Passive
MXP-635-SM	Fibre Optic SFP Module – Single-mode
MXP-635-MM	Fibre Optic SFP Module – Multi-mode
MXP-635-BD/AB	Fibre Optic SFP Module – Bi-Directional (UP)
MXP-635-BD/BA	Fibre Optic SFP Module – Bi-Directional (Down)
MXP-635/IVIEW	Fibre Optic iView Commissioning Tool (Limited)
MXP-635/COMM	Fibre Optic iView Commissioning Tool (Interactive)

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