

## Fibre Optic Converter – Passive

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The MXP-635-P (passive), 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<sup>5</sup> 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.

### Approvals

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

### Features

2.5 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  
Compatible with MxPro<sup>5</sup> 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 - Selectable Fixed Termination, in accordance with EIA RS-485  
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)

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