

Fibre Optic SFP Module - Bi-Directional

There are two Small Form Pluggable (SFP) modules, MXP-635-BD/AB (UP) and MXP-635-BD/BA (DOWN). These SFP modules can be easily fitted into the Advanced MXP-635-A and MXP-635-P products. Which, when used in conjunction with each other, provide bi-directional network communication on a single fibre optic cable.

The SFP modules include an enhanced Digital Diagnostic Monitoring (DDM) interface, which is compliant with SFF-8472. Where the DDM interface allows real time access to the module operating parameters such as SFP temperature, laser bias current, transmitted optical power, received optical power and transceiver supply voltage.

Approvals

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

Features

Bi-directional communication on a single fibre optic cable (Single-mode cable type)
Ultra Low power module
Operating data rates up to 1.25Gbps
Two types:
 AB: 1550nm FP transmitter/1310nm receiver
 BA: 1310nm FP transmitter/1550nm receiver
20km reach with 9/125µm (single-mode fibre cable)
Single 3.3V power supply and CML Logic Interface
Hot-pluggable SFP's
BIDI LC or SC receptacle connector
Operating case temperature 0~+70℃
Usage in harsh environment enabled by conformal coating
Provides Digital Diagnostic Monitoring (DDM) and Digital Optical Monitoring (DOM) Support
Support Compliant with the IEEE Gigabit Ethernet standard 802.3
The transceiver consists of three sections:
 FP laser transmitter
 PIN photodiode integrated with a trans-impedance preamplifier (TIA)
 MCU control unit
Supports SONET/SDH switch infrastructure and SDH/STM-8; SONET/OC-24 applications
Compliant with SFP MSA and SFF-8472

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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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

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