Axis EN

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)

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.