Axis EN

Fibre Optic SFP module - Single-Mode

The Small Form Pluggable (SFP) MXP-635-SM (single-mode) is a fibre optic module allowing communications for up to a maximum distance of 20km between fibre optic converters. This SFP module can be easily fitted into the Advanced MXP-635-A and MXP-635-P products.

The SFP module includes an enhanced Digital Diagnostic Monitoring (DDM) interface, which is compliant with SFF-8472. Where the DDM interface allows real time access to the modules 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

- Single-mode cable type
- 20km reach for 9/125µm (single-mode fibre cable)
- Ultra-Low power module
- Operating data rates up to 1.25Gbps
- 1310nm FP laser transmitter
- Single 3.3V power supply and TTL logic interface
- Hot-pluggable SFP module
- Duplex LC connector interface
- Operating case temperature 0~+70□
- Usage in harsh environments enabled by conformal coating
- Provides Digital Diagnostic Monitoring (DDM) and Digital Optical Monitoring (DOM) Support
- Class 1 laser compliant according to International Safety Standard IEC 60825
- The SFP module 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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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.