

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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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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