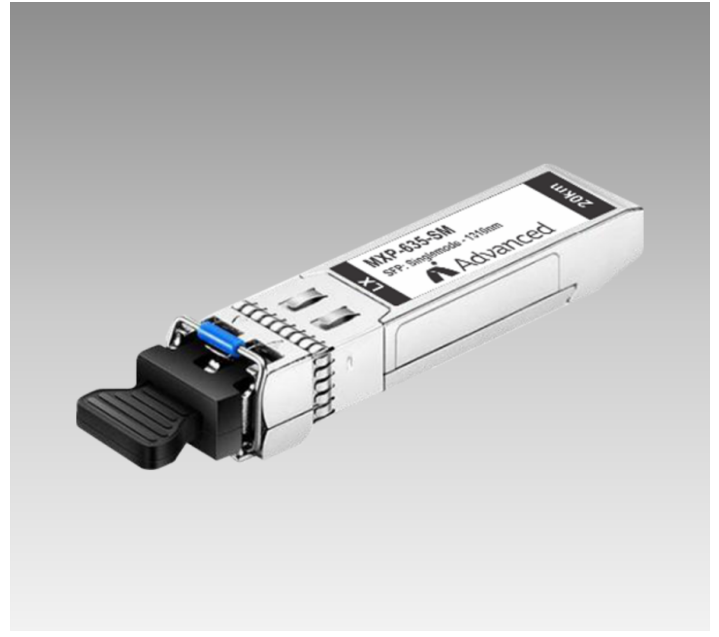


## Fibre Optic SFP module - Single-Mode

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 °C
- 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

<b>MXP-635-A</b>	Fibre Optic Convertor – Active
<b>MXP-635-P</b>	Fibre Optic Convertor – Passive
<b>MXP-635-SM</b>	Fibre Optic SFP Module – Single-mode
<b>MXP-635-MM</b>	Fibre Optic SFP Module – Multi-mode
<b>MXP-635-BD/AB</b>	Fibre Optic SFP Module – Bi-Directional (UP)
<b>MXP-635-BD/BA</b>	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](mailto:enquiries@advancedco.com),  
**W:** [www.advancedco.com](http://www.advancedco.com)

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