

Datasheet

GbE Multimode Extender SFP Transceiver



General

Small Form Factor Pluggable (SFP) is an exchangeable transceiver module which is used in compatible active devices. It is smaller than any of the currently available form factors and offers the highest density per line interface.

A large proportion of today's active network products are already equipped with slots for modular optical transceivers. This gives the user the greatest possible flexibility in network configuration. Due to the special design, the installation can also be carried out during operation (hot swap).

The SFP is selected depending on the cable type (multimode, single mode, simplex, twisted pair) and the bandwidth used.

The Multi Source Agreement (MSA) and SFF-8472 guarantee the standardized design and benefits of the SFP transceivers in terms of design and optional digital diagnostic function.

The Multimode Extender SFP transceiver is suitable for transmission of maximum 1.25GBit/s over a distance of up to 2 km (with optimal fiber quality) due to its special optical laser.

Technical Specifications

	MS100001	MS100001D
Type:	SFP	SFP
Connection	LC duplex	LC duplex
Interface	Multimode	Multimode
Digital Diagnostic interface	-	Internal
Distance (max.) (in km)	2	2
Operating temperature range (in °C)	0+70	0+70
Bandwidth	1.0625	1.0625
(in GBit/s)	1.25	1.25
Wavelength TX (typ.) (in nm)	1310	1310
Wavelength RX (typ.) (in nm)	1310	1310
Wavelength range TX (in nm)	1270 - 1355	1270 - 1355
Wavelength range RX	1260 -	1260 -
(in nm)	1610	1610
Powerbudget (in dB)	10	10
Transmit MIN/MAX (in dBm)	-9 / -1	-9 / -1
Receiver MIN/MAX (overload)	-19 / -1	-19 / -1
Extinction Ratio (in dB)	9	9
Lasertype	FP	FP
Protocolls	Gigabit Ethernet, Gigabit Fiber Channel,	

Safety Note

Attention: visible and invisible light emitted by a fiber-optic component can cause permanent damage to your eyes!

To avoid damage to your eyes

- Never look directly into the outlets of fiber optic components danger of blinding!
- Cover all unused optical connectors with plugs
- Commissioning of the transmission line only after completion of all connections

The active laser components used in this product comply with **laser class 1** regulations.

Order Information

Description	ArtNo.
SFP GbE Extender FP Transceiver 1.25G Multimode 1310nm, max. 2km, LC	MS100001
SFP GbE Extender FP Transceiver 1.25G Multimode 1310nm, max. 2km, DDM, LC	MS100001D

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