

Datasheet

Gigabit Ethernet TP 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 SFPs with a maximum bandwidth of up to 1.25Gbit/s support Gigabit Ethernet as well as Gigabit Fiber Channel.

Technical Specifications

| | MS100090 | MS100090DX |
|--|----------|------------|
| Type: | SFP | SFP |
| Connection | RJ-45 | RJ-45 |
| Interface | TP | TP |
| Digital Diagnostic interface | - | - |
| Distance (typ.) (in km) | | |
| Operating temperature Range (in °C) | 0..+70 | -40..+85 |
| Bandwidth (in MBit/s) | | |
| Wavelength TX (typ.) (in nm) | | |
| Wavelength RX (typ.) (in nm) | | |
| Wavelength Range TX (in nm) | | |
| Wavelength Range RX (in nm) | | |
| Powerbudget (in dB) | | |
| Transmit MIN/MAX (in dBm) | | |
| Receiver MIN/MAX (overload) | | |
| Extinction Ratio (in dB) | | |
| Receiver type | | |
| Laser type | | |
| Protocols | | |

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 | Art- No. |
|--|-------------------|
| SFP GbE Transceiver TP 1000Base-T, RJ-45 | MS100090D |
| SFP GbE Transceiver TP 1000Base-T, RJ-45, -40..+85°C | MS100090DX |

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