



- Supports Data Rates up to 1Gb/s
- 1310nm FP Laser and PIN Photo Detector for 10KM Transmission
- Compliant with SFP MSA and SFF-8472 with Duplex LC Receptacle
- Compliant with IEEE 802.3 1000BASE-X Standard
- Digital Diagnostic Monitoring: Internal or External Calibration
- Compatible with SONET OC-24-LR-1
- +3.3V Single Power Supply
- Operating Case Temperature - Standard 0 °C to + 70 °C Industrial -40°C to +85 °C

Product Features

- Gigabit Ethernet
- Fibre Channel
- Switch to Switch Interface
- Switched Backplane Applications
- Router/Server Interface
- Other Optical Transmission Systems

Product Description

The SFP transceivers are high performance, cost effective modules supporting data-rate of 1.25Gbps and 10km transmission distance with SMF

The transceiver consists of three sections: a FP laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements

The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472.

Specification	Details	Specification	Details
Storage Temperature	-40 to +85 °C	Maximum Supply Voltage	-0.5v to 4.7v
Case Operating Temperature	+70 °C		
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Electrostatic Discharge (ESD)	IEC/EN 61000-4-2	Component Recognition	IEC/EN 60950, UL
Laser Eye Safety	FDA 21CFR 1040.10, 1040.11 IEC/EN 60825-1, 2	Electromagnetic Interference (EMI)	FCC Part 15 Class B EN 55022 (CISPR 22A)
ROHS	2002/95/EC	EMC	EN61000-3