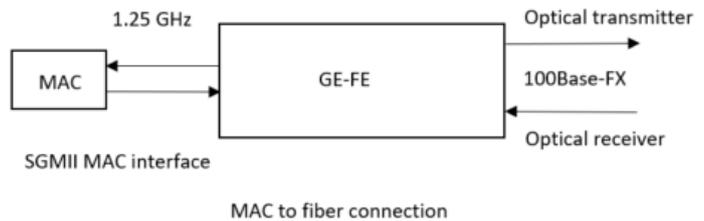


SFP - Gigabit Port - 100Base-FX

100 Mb/s Fast Ethernet SFP transceiver family

DESCRIPTION

The SFP-GE-FE-FX transceivers are fully compliant with the latest industrial SFP Multi-Source Agreement (MSA), and are designed for SGMII MAC interface to 100BASE-FX (The SGMII MAC Interface implements a modified 100BASE-X Auto-Negotiation to indicate link, duplex, and speed to the MAC). The transceiver consists of the standard SFP part, the PHY part built with SGMII interface, the 1310 nm FP laser and the PIN photo-detector. The modules are hot pluggable and can transmit over 2 km of 50/125 μm MM fiber.



APPLICATIONS

- 100Base-FX Ethernet

FEATURES

- Up to 2 km transmission on MM fiber
- Hot-Pluggable SFP footprint
- Optical LC interface for fiber pair operation
- Standard operating temperature 0 °C to 70 °C
- Build-in PHY supporting SGMII Interface
- 100BASE-FX operation
- 1310 nm FP laser transmitter
- PIN receiver
- RoHS compliant and Lead Free



LASER SAFETY

This transceiver is a Class 1 laser product. It complies with IEC-60825 and FDA 21 CFR 1040.10 and 1040.11. The transceiver must be operated within the specified temperature and voltage limits. The optical ports of the module need to be terminated with an optical connector or a dust plug.

OPTICAL PARAMETERS

Part no.	Fiber type	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-GE-FE-FX	MM	1310	-20 to -8	-30 to -3	10

ORDERING INFORMATION

Part no.	Description
SFP-GE-FE-FX	SFP, Gigabit Port, 100Mbps FE, 2km, 1310nm, MM, SGMII Interface