



- Optical Interface Compliant to IEEE 802.3ae 10GBASE-LR
- Electrical Interface Compliant to SFF-8431
- Hot Pluggable
- 1310nm DFB Transmitter, PIN Photo-Detector
- Operating Case Temperature: 0 to 70°C
- Low Power Consumption
- Applicable for 10km SMF Connection
- All-Metal Housing for Superior EMI Performance
- Advanced Firmware Allows Customer System Encryption Information To Be Stored In Transceiver
- Cost Effective SFP+ Solution, Enables Higher Port Densities & Greater Bandwidth
- RoHS6 Compliant (Lead Free)
- Case Operating Temperature Range: -5°C to 70°C

## Product Features

- 10GBASE-LR at 10.3125Gbps
- Other Optical Links
- Compliant with SFF-8472 SFP+ MSA
- Compliant to SFP+ SFF-8431 and SFF-8432
- Compliant to 802.3ae 10GBASE-LR
- RoHS Compliant

## Product Description

This 1310nm DFB 10Gbps SFP+ transceiver is designed to transmit and receive optical data over single mode optical fibre for link length of 10km.

The SFP+ 10km module electrical interface is compliant to SFI electrical specifications. The transmitter input and receiver output impedance is 100 Ohms differential.

Data lines are internally AC coupled.

The module provides differential termination and reduces differential to common mode conversion for quality signal termination and low EMI.

SFI typically operates over 200 mm of improved FR4 material or up to about 150mm of standard FR4 with one connector.

Specification	Details	Specification	Details
Storage Temperature	-40 to +85 °C	Maximum Supply Voltage	-0.5v to 4.7v
Case Operating Temperature	+70 °C		
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