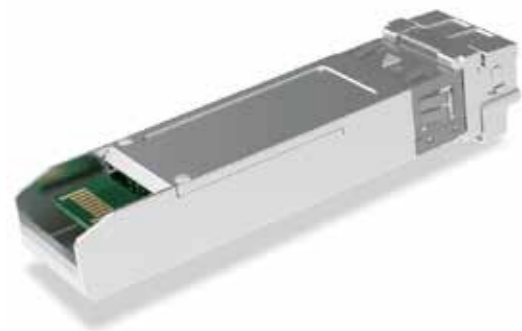


SFP+ 10G LR Optical Transceiver

OVERVIEW



Luxshare-TECH 10Gbps SFP+ optical transceiver is designed for 10G Ethernet links with very high port density based on the new electrical and mechanical specification for the SFF-8431 and SFF-8432 respectively. The transceiver utilizes 1310nm DFB and PIN Detect technology to provide the 10km link on SMF.

FEATURES & BENEFITS

- Hot Pluggable SFP+ form factor
- Supports 10.3125Gbps
- Low Power Dissipation, MAX 1.2W
- Operating Case Temperature: 0°C to +70°C/-40°C to +85°C
- Up to 10km transmission with SMF

PRODUCT APPLICATIONS

Ethernet for 10GBASE-LR
InfiniBand QDR, DDR, SDR

TECHNICAL INFORMATION

MATERIAL

Nickel plated zinc die cast shells & latching
Mechanism parts
Optical plastic lens

ELECTRICAL PERFORMANCE

Power Supply Voltage: 3.3V (3.14 to 3.46V)
Data rate per lane: 10.3125Gbps
Power Consumption: 1.2W(MAX)
Transmitter Type: DFB
Receiver Type: PIN

Partial PN Table

| PN | Package | Description | Reach | Protocol Support | Data Rate | Temp | Power Consumption | Optical Connector | Transceiver | Receiver | WaveLength |
|----------------|---------|-------------|-------|------------------|-----------|----------|-------------------|-------------------|-------------|----------|------------|
| PA01SSD01-NC-T | SFP+ | LR | 10KM | Ethernet | 10Gbps | 0-70°C | 1.2w | LC | DFB | PIN | 1310nm |
| PA01SSD1H-NC-T | SFP+ | LR | 10KM | Ethernet | 10Gbps | -40-85°C | 1.2w | LC | DFB | PIN | 1310nm |

MECHANICAL PERFORMANCE

SFP Module Insertion: 18N(MAX)
SFP Module Extraction: 12.5N(MAX)
SFP Module Retention: 90N(MIN)
Insertion and removal cycles: 50Cycles

ENVIRONMENTAL

Storage Temperature Range: -40°C to +85°C
Operating Temperature Range: 0°C to +70°C/ -40°C to +85°C

SPECIFICATION

SFF-8472 Management Interface
SFF-8432: Pluggable Module
SFF-8431: General Electrical
GR-468: Reliability Qualification
IEEE 802.3ae: Physical Layer Specifications and Management Parameters
ROHS-6: Environment Safety
ES-12-00-0004