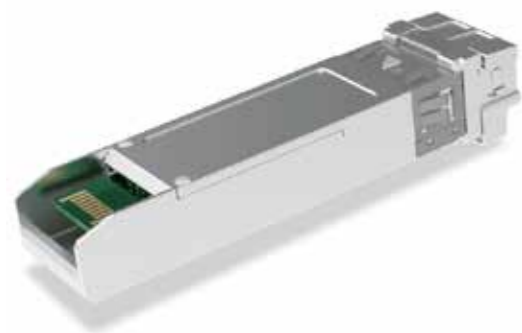


SFP+ 10G SR Optical Transceiver

OVERVIEW



Luxshare-TECH 10Gbps SFP+ optical transceiver can provide good performance and quality. Luxshare-TECH 10Gbps SFP+ 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 850nm VCSEL and PIN Detect technology to provide the 300m link on OM3 MMF.

FEATURES & BENEFITS

- Hot Pluggable SFP+ form factor
- Supports 10.3125Gbps
- Low Power Dissipation, MAX 0.8W
- Operating Case Temperature: 0°C to +70°C/-40°C to +85°C
- Up to 80m transmission with OM2 MMF
- Up to 300m transmission with OM3 MMF

PRODUCT APPLICATIONS

Ethernet for 10GBASE-SR
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: 0.8W(MAX)
Transmitter Type: VCSEL
Receiver Type: PIN

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA01SMA01-SD-T	SFP+	SR	80m(OM2)/ 300m(OM3)	Ethernet	10Gbps	0-70°C	0.8w	LC	DFB	PIN	850nm
PA01SMA0H-SD-T	SFP+	SR	80m(OM2)/ 300m(OM3)	Ethernet	10Gbps	-40-85°C	0.8w	LC	DFB	PIN	850nm

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-12-00-0005