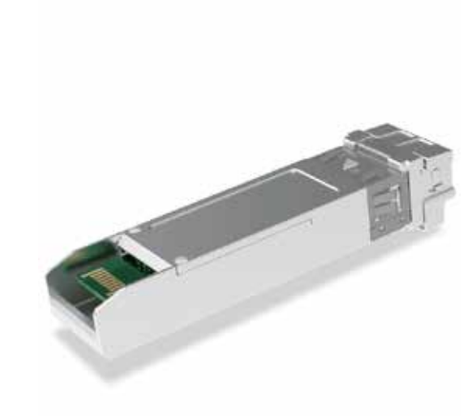
SFP+ 10G BIDI Optical Transceiver



OVERVIEW

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 1330nm/1270nm DFB and PIN Detect technolo gy to provide the 10km link on single-strand SMF.

FEATURES & BENEFITS

- Hot Pluggable SFP+ form factor with single-LC connector
- Up to 11.1Gbps Data rate
- 1270nm DFB laser and PIN receiver for uplink
- 1330nm DFB laser and PIN receiver fordownlink
- Low Power Dissipation, MAX 1.5W
- Operating Case Temperature: 0°C to +70°C/-40°C to +85°C

PRODUCT APPLICATIONS

Ethernet for 10GBASE-BX
Ethernet for 10GBASE-LR/LW

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, up to 11.1Gbps
Power Consumption: 1.5W(MAX)
Transmitter Type: DFB
Receiver Type: PIN

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-12-00-0002

Partial PN Table

PN	Package	Description	Reach	Protocol Support	Data Rate	Temp	Power Consumption	Optical Connector	Transceiver	Receiver	WaveLength
PA01SSD22-NC-T	SFP+	BIDI	10KM	Ethernet	10Gbps	0-70°C	1.5w	Signle-LC	DFB	PIN	T1270/R1330nm
PA01SSD32-NC-T	SFP+	BIDI	10KM	Ethernet	10Gbps	0-70°C	1.5w	Signle-LC	DFB	PIN	T1330/R1270nm
PA01SSD2H-NC-T	SFP+	BIDI	10KM	Ethernet	10Gbps	-40-85°C	1.5w	Signle-LC	DFB	PIN	T1270/R1330nm
PA01SSD3H-NC-T	SFP+	BIDI	10KM	Ethernet	10Gbps	-40-85°C	1.5w	Signle-LC	DFB	PIN	T1330/R1270nm