10G SFP+ 1310nm Dual LC

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Variants

20KM 40KM 10KM

Details

10G • 1310NM • SINGLE MODE • DUPLEX LC

The is designed for high-speed 10 Gigabit data transmission over single-mode fiber. Operating at with a , the series is available in variants for different network transmission requirements.

View Product & Variants ?

Available Variants

Select the transmission distance according to your fiber link requirement.

VARIANT

10 km

10G • 1310nm • SMF

Duplex LC

VARIANT

20 km

10G • 1310nm • SMF
Duplex LC

VARIANT

40 km

10G • 1310nm • SMF
Duplex LC

Quick Specifications

DATA RATE

10.3125 Gbps

WAVELENGTH

1310 nm

CONNECTOR

Duplex LC

DISTANCE OPTIONS

10 / 20 / 40 km

Key Features

? High-speed transmission up to 10.3125 Gbps

? 1310nm optical wavelength

? 10km, 20km & 40km variants

? Single Mode Fiber (9/125µm)

? Duplex LC/UPC optical interface

? DFB laser transmitter

? DDM / DOM real-time monitoring

? Hot-pluggable SFP+ form factor

? Low power consumption

? Metal housing for EMI protection

Variant Comparison

Variant	Data Rate	Wavelength	Fiber	Connector
10 km	10.3125 Gbps	1310 nm	Single Mode	Duplex LC
20 km	10.3125 Gbps	1310 nm	Single Mode	Duplex LC
40 km	10.3125 Gbps	1310 nm	Single Mode	Duplex LC

Technical Specifications

Parameter	Specification
Model	DT10G
Product Type	10G SFP+ Optical Transceiver
Application	10G Ethernet, Data Center, ISP Networks

Parameter	Specification
Form Factor	SFP+ (Hot-pluggable)
Data Rate	10.3125 Gbps
Wavelength	1310 nm
Transmission Distance	**10 km / 20 km / 40 km**
Fiber Type	Single Mode Fiber (9/125 µm)
Connector Type	Duplex LC
Optical Interface	Duplex LC/UPC
Transmitter Type	1310 nm DFB Laser
Receiver Type	PIN + Preamplifier
Transmit Power	-6 to -0.5 dBm
Receiver Sensitivity	? -14.4 dBm
Overload Power	? 0.5 dBm
Extinction Ratio	? 3.5 dB
Spectral Width	? 1 nm
SMSR	? 30 dB
Power Supply	+3.3 V
Power Consumption	? 1.2 W
Supply Current	? 360 mA
DDM / DOM	Supported (SFF-8472)

Parameter	Specification
Monitoring	Temperature, Voltage, TX/RX Power, Bias Current
Compliance	SFP+ MSA, SFF-8472, IEEE 802.3ae
EMI Protection	Metal Housing
Operating Temperature	0°C to +70°C (Commercial)
Extended Temperature	-10°C to +80°C
Industrial Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Humidity	5% – 95% (Non-condensing)

DDM / DOM Monitoring

Digital Diagnostics Monitoring provides real-time monitoring of important transceiver operating parameters on compatible network equipment.

Temperature | Voltage | TX Power | RX Power | Bias Current

Applications

- **10G Ethernet Networks**
- **ISP Backbone Networks**
- **Data Centers**

Enterprise Networks

Campus Networks

10G Fiber Aggregation

Before Ordering

Choose the correct **10km, 20km or 40km variant** according to your fiber link distance and optical power budget. This is a **Duplex LC SFP+** module and requires two fiber paths — one for TX and one for RX. Compatibility with the switch, router or other network equipment should also be confirmed before installation.

10G SFP+ 1310nm Duplex LC

Available in 10km • 20km • 40km

View Product ?

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