

10G SFP+ 1310nm Dual LC

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Variants

20KM 40KM 10KM

Details

10G SFP+ 1310nm Duplex LC Transceiver (DT10G)

The DT10G 10G SFP+ optical transceiver is designed for high-speed data transmission over single-mode fiber. It supports up to 60 km transmission distance, making it ideal for data centers, ISP backbone networks, and long-distance enterprise connectivity. With low power consumption and full digital diagnostics monitoring, it ensures stable and efficient network performance.

Key Features

10G high-speed transmission up to 10.3125 Gbps
1310 nm wavelength for long-distance single-mode fiber links
Supports transmission distance up to 60 km
DFB laser transmitter with high stability and performance
DDM/DOM supported for real-time monitoring
Hot-pluggable SFP+ form factor for easy installation
Low power consumption and strong EMI protection

Technical Specification

Category	Specification
Model	DT10G
Product Type	10G SFP+ Optical Transceiver
Application	10G Ethernet, Data Center, ISP Networks
Form Factor	SFP+ (Hot-pluggable)
Data Rate	10.3125 Gbps
Wavelength	1310 nm
Transmission Distance	Up to 60 km
Fiber Type	Single Mode Fiber (9/125 μ m)
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

Category	Specification
Supply Current	? 360 mA
DDM / DOM	Supported (SFF-8472)
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)