100G CFP 1310nm SMF

Variants

10km LC Duplex 40km LC Duplex

Details

CFP 100G LR4 Optical Transceiver LC Duplex

The CFP 100G LR4 optical transceiver is designed for long-distance 100G Ethernet transmission over single-mode fiber. It uses LAN-WDM technology with 4 × 25G lanes to deliver stable and high-performance connectivity for data centers, telecom, and metro networks.

Technical Specifications

Category	Parameter	Specification
General	Form Factor	CFP
	Max Data Rate	103.1 Gbps
	Application	100G Ethernet (LR4)
	Standard Compliance	MSA Compliant
	Media	Single Mode Fiber (SMF)
	Connector	LC Duplex
Optical	Center Wavelength	1310 nm (LAN-WDM)
	Transmission Distance	Up to 40 km
	Optical Components	4 × DFB Lasers
	Fiber Type	G.652.D (Recommended)

Category	Parameter	Specification
WDM Type	LAN-WDM (4 lanes)	
Electrical	Electrical Interface	4 × 25G NRZ
	Optical Modulation	4 × 25G NRZ
	Lane Configuration	4 Tx + 4 Rx
Features	DOM Support	Yes
	Hot Pluggable	Yes
	Power Consumption	Higher than CFP4 / QSFP28 (Typical CFP design)
Environmental	Operating Temperature	0°C to +70°C
	Storage Temperature	-40°C to +85°C

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