QSFP LR4 Duplex LC 40GBASE 1310nm 10km

Place of Origin: Shenzhen, China
Brand Name:OPTICO
Model Number: OP-QSFP-40G-LR4
Data transfer rate: 40G
Wavelength: 1310nm
Distance: 10km
Connector: Duplex LC
DDM/DOM Function: Yes
Hot-pluggable: QSFP Interface
Certification: RoHS CE
Operating temperature: 0-70℃
Warranty: 3 Years
Supply Ability: 20000 Pcs/month
Packaging: 1pcs/Static bag, suitable quantity per box

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The 40G QSFP LR4 optical transceiver integrates the transmit and receive path onto one module. Four electric-absorption modulated lasers (DFBs) with 1271, 1291,1311 and 1331 nm center wavelengths, which multiplexed/demutiplexed into a single-mode fiber through an industry-standard LC connector. Each data steam is recovered by a PIN photodetector and transimpedance amplifier, retimed, and passed on to an output driver.

Features:

QSFP+ MSA compliant
Up to 10km transmission
Operating case temperature: 0~70C
Maximum 3.5W operation power
RoHS compliant
Compliant with IEEE802.3ba
Compliant with QSFP+ MSA: SFF-8436

Applications:

The optical module QSFP-SR4-40G is mainly used in switches, routers, host adapter buses; enterprise storage; high-density, high-speed I/O; multi-channel interconnection, etc. This solution is particularly suitable for high-traffic processing systems. The most typical applications of these systems include data centers, network connections, and high-performance computing.

Advantages:

1. Low power consumption

The power consumption of the QSFP28 optical module during operation is usually not more than 3.5W, while the power consumption of other 100G optical modules is usually between 6W and 24W. From this point of view, the power consumption of the QSFP28 optical module is much lower than that of other 100G optical modules

2. low cost

The current data center is mainly a 10G network architecture, and its interconnection solutions are mainly 10GBASE-SR optical modules and duplex LC multimode fiber jumpers. If it is directly upgraded to a 40/100G network based on the existing 10G network architecture Will save a lot of time and cost.

3. high bandwidth

The most advanced 100G transmission technology is used to provide the connection between the rack switch and the core network for the data center, which increases the panel bandwidth density by 150% compared to the 40GQSFP solution

Certification:

CE

CPR

ISO

RoHS

Factory Workshop:


Shenzhen Optico Communication Co.,Ltd

Key words: QSFP LR4, 40GBASE, QSFP 40G