

Cisco QDD-400G-LR8-S Compatible
400GBASE-LR8 QSFP-DD PAM4
Optical Transceiver Module
(SMF, 1310nm, 10km, LC, DOM)



Product Specifications

Form Factor QSFP-DD	Data Rate 400Gbps
Wavelength* 1310nm	Cable Distance* 10km
Connector Duplex LC (UPC)	Cable Type SMF
Transmitter Type LWDM EML	Receiver Type PIN
TX Power -2.8~5.3dBm	RX Power -9.1~5.3dBm
Power Budget 6.3dB	Modulation 8x 50G PAM4
Power Consumption ≤10W	Extinction Ratio 3.5dB
DDM/DOM Yes	Commercial Temperature 0 to 70°C
DSP TX and RX	Inbuilt FEC No
Core Size G.652/9um	Packaging Technology BOX
Protocols IEEE 802.3bs, QSFP-DD MSA, CMIS 4.1	

* Lane Center Wavelengths Range
L0 1273.55nm (1272.55-1274.55nm),
L1 1277.89nm (1276.89-1278.89nm),
L2 1282.26nm (1281.25-1283.27nm),
L3 1286.67nm (1285.65-1287.68nm),
L4 1295.56nm (1294.53-1296.59nm),
L5 1300.06nm (1299.02-1301.09nm),
L6 1304.59nm (1303.54-1305.63nm),
L7 1309.14nm (1308.09-1310.09nm).

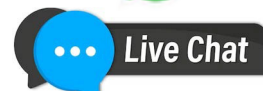
* Full 10km reach requires the use of FEC on the host platform



Contact Us:

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Compatible Switches and Routers:

- Cisco 8000 Series Routers (8201-SYS)
- Cisco 8000 Series Routers (8202-SYS)
- Cisco 8000 Series Routers (8800-LC-36FH)
- Cisco 8000 Series Routers (8201-32FH)
- Cisco 8000 Series Routers (88-LC0-36FH-M)
- Cisco 8000 Series Routers (88-LC0-36FH)
- Cisco ASR 9000 Series (A9K-20HG-FLEX-SE)
- Cisco ASR 9000 Series (A9K-20HG-FLEX-TR)
- Cisco ASR 9000 Series (A9K-8HG-FLEX-SE)
- Cisco ASR 9000 Series (A9K-8HG-FLEX-TR)
- Cisco ASR 9000 Series (A9K-20HG-FLEX-FC)
- Cisco ASR 9000 Series (A9K-8HG-FLEX-FC)
- Cisco ASR 9000 Series (ASR-9903)
- Cisco ASR 9000 Series (A9903-20HG-PEC)
- Cisco ASR 9000 Series (A99-10X400GE-X-TR)
- Cisco ASR 9000 Series (A99-10X400GE-X-SE)
- Cisco Nexus 3000 Series (N3K-C3408-S)
- Cisco Nexus 3000 Series (N3K-C3432D-S)
- Cisco Nexus 9300 Series (N9K-C93600CD-GX)
- Cisco Nexus 9300 Series (N9K-C9316D-GX)
- Cisco Nexus 9300 Series (N9K-C9332D-GX2B)
- Cisco Nexus 9500 Series (N9K-X9716D-GX)
- Cisco Nexus 9500 Series (N9K-X9624D-R2)
- Cisco NCS 5500 Series (NC57-24DD)
- Cisco NCS 5500 Series (NC57-18DD-SE)

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