

40G QSFP+ LR4 TRANSCEIVER



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Nexconec[®] 40G QSFP+ LR4 Transceiver is designed to operate over SM fiber system using four 10Gbps CWDM channel in 1300 band. Which is based on two LC connectors for optical connectivity and supports 40Gbps data rate links of up to 30km.

FEATURES

- ✓ Transmission data rate up to 11.2Gbps per channel
- ✓ Digital Diagnostics Monitoring Interface
- ✓ Compliant to IEEE 802.3ba specification for 40GBASE-LR4 links
- ✓ Hot-pluggable QSFP+ form factor
- ✓ 4 CWDM un-cooled DFB lasers; High Sensitivity PIN-TIA with optical DEMUX
- ✓ Using ITU G.694.2 wavelength grid at 1277, 1297, 1311 and 1331nm
- ✓ Commercial operating case temperature range: 0 to 70°C
- ✓ RoHS-6 Compliant
- ✓ Lower power consumption
- ✓ Available in 2km, 10km, 20km and 30km reach over standard single mode fiber
- ✓ Compliant with QDR/DDR InfiniBand data rates

APPLICATIONS

- ✓ 40GBASE-LR4 40G Ethernet links, InfiniBand QDR and DDR interconnects, Client-side 40G Telecom connections

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-QF-Q1G40-02-xx	QSFP+	40G	1271-1331nm	2km	DFB CWDM	PIN	LC	-7~1dBm	-11.5dBm
NX-QF-Q1G40-10-xx	QSFP+	40G	1271-1331nm	10km	DFB CWDM	PIN	LC	-7~2.3dBm	-11.5dBm
NX-QF-Q1G40-20-xx	QSFP+	40G	1271-1331nm	20km	DFB CWDM	PIN	LC	-7~2.3dBm	-11.5dBm
NX-QF-Q1G40-30-xx	QSFP+	40G	1271-1331nm	30km	DFB CWDM	PIN	LC	-2~2.3dBm	-12dBm

ORDER INFORMATION

Part Number	Product Description
NX-QF-Q1G40-02-xx	40G QSFP+ LR4 Transceiver LC Duplex, (1271-1331nm) SM 2km
NX-QF-Q1G40-10-xx	40G QSFP+ LR4 Transceiver LC Duplex, (1271-1331nm) SM 10km
NX-QF-Q1G40-20-xx	40G QSFP+ LR4 Transceiver LC Duplex, (1271-1331nm) SM 20km
NX-QF-Q1G40-30-xx	40G QSFP+ LR4 Transceiver LC Duplex, (1271-1331nm) SM 30km

Notes

- Where (02 = 2km, 10 = 10km etc.) denotes reach in kilometers.
- Where "xx" denotes compatibility short codes. (xx = CI for Cisco, xx = DL for DELL etc.)
- Compatible Short codes are as follows:

Short codes	Value	Short codes	Value
CI	Cisco	HW	Huawei
ML	Mellanox	DK	D-Link
MK	Mikrotik	HC	H3C
JP	Juniper	CN	Ciena
BR	Brocade	EC	Edge-Core
DL	DELL	AL	Alcatel-Lucent
FT	Fortinet		