

100G QSFP28 CWDM4 TRANSCEIVER



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NEXCONEC® 100G QSFP28 CWDM4 Transceivers are designed for 100G Ethernet CWDM4 links over duplex single mode fibers, support transmission distance up to 10km with FEC using CWDM wavelengths (1271nm, 1291nm, 1311nm, 1331nm).

FEATURES

- ✓ Hot-pluggable QSFP28 form factor
- ✓ Compliant with QSFP MSA standard; Compliant with 100G CWDM4 MSA standard
- ✓ 4 channels full-duplex transceiver module; Supports 100Gbps aggregate bit rate
- ✓ 4 channels DFB CWDM uncooled transmitter; 4 channels PIN ROSA
- ✓ Maximum link length of up to 10km on SMF with KR4 FEC
- ✓ Duplex LC receptacles
- ✓ Built-in digital diagnostic functions
- ✓ Operating case temperature range: 0 to 70°C
- ✓ 3.5W maximum power dissipation; Single 3.3V power supply
- ✓ RoHS-6 compliant (lead free)

APPLICATIONS

- ✓ Data Center Interconnect; 100G CWDM4 applications; Infiniband EDR interconnects; Enterprise networking

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-QP-Q1G100-02-xx	QSFP28	100G	CWDM	2km	DFB CWDM	PIN	LC	-6.2~2.5dBm	-10.0dBm
NX-QP-Q1G100-10-xx	QSFP28	100G	CWDM	10km	DFB CWDM	PIN	LC	-6.0~2.5dBm	-13.0dBm

ORDER INFORMATION

Part Number	Product Description
NX-QP-Q1G100-02-xx	QSFP28 CWDM4 Transceiver LC Duplex 2km
NX-QP-Q1G100-10-xx	QSFP28 CWDM4 Transceiver LC Duplex 10km

Notes

- Where (02 = 2km, 10 = 10km) 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		