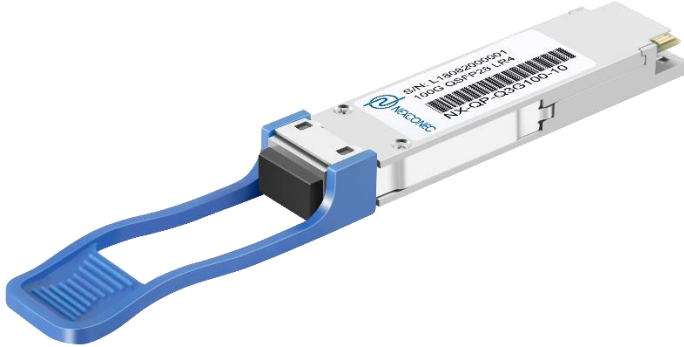


## 100G QSFP28 LR4 TRANSCEIVER



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Nexconec QSFP28 LR4 Transceivers are designed for 100G Ethernet 100GBASE-LR4 links over duplex single mode fibers, support transmission distance up to 20km using LWDM wavelengths (1296nm, 1300nm, 1305nm and 1309nm).

### FEATURES

- ✓ Hot-pluggable QSFP28 form factor
- ✓ Compliant with QSFP MSA standard and IEEE 802.3ba 100GBASE-LR4 standard
- ✓ 4 channels full-duplex transceiver module; Supports 100Gbps aggregate bit rate
- ✓ 4 channels DFB LWDM cooling transmitter; 4 channels PIN ROSA
- ✓ Internal CDR circuits on both receiver and transmitter channels
- ✓ Maximum link length of up to 20km on SMF
- ✓ Duplex LC receptacles; Built-in digital diagnostic functions
- ✓ 3.5W maximum power dissipation; Single 3.3V power supply
- ✓ Operating case temperature range: 0 to 70°C
- ✓ RoHS-6 compliant (lead free)

### APPLICATIONS

- ✓ IEEE 802.3ba 100GBASE-LR4

## SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-QP-Q3G100-10-xx	QSFP28	100G	LWDM	10km	DFB LWDM	PIN	LC	-4.3~4.5dBm	-10.6dBm
NX-QP-Q3G100-20-xx	QSFP28	100G	LWDM	20km	DFB LWDM	PIN	LC	-1.0~4.5dBm	-12.0dBm

## ORDER INFORMATION

Part Number	Product Description
<b>NX-QP-Q3G100-10-xx</b>	QSFP28 LR4 Transceiver LC Duplex LWDM 10km
<b>NX-QP-Q3G100-20-xx</b>	QSFP28 LR4 Transceiver LC Duplex LWDM 20km

### Notes

- Where (10 = 10km, 20 = 20km) 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		