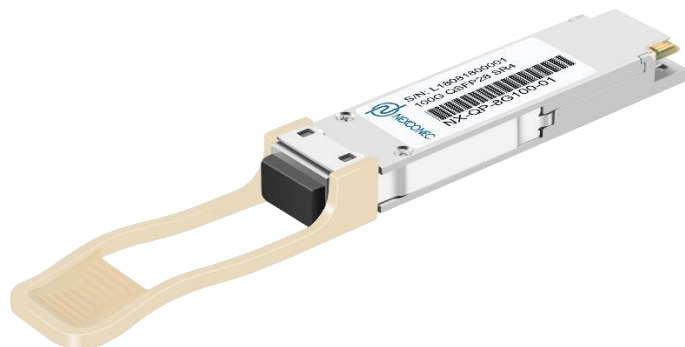# 100G QSFP28 SR4 TRANSCEIVER

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NEXCONEC® 100G QSFP28 SR4 Transceivers (NX-QP-8G100-01) are designed for 100G Ethernet 100GBASE-SR4 links over multiple multimode fibers, support transmission distance up to 100m using 850nm wavelengths.

FEATURES

✓ Hot-pluggable QSFP28 form factor

✓ Compliant with QSFP MSA standard; Compliant with IEEE 802.3bm 100GBASE-SR4 standard

✓ 4 channels full-duplex transceiver module; Supports 100Gb/s aggregate bit rate

✓ 4 channels 850nm VCSEL array; 4 channels PIN photo detector array

✓ Maximum link length of 70m on OM3 MMF or 100m on OM4 MMF

✓ Single MTP/MPO receptacle; Built-in digital diagnostic functions

✓ Operating case temperature range: 0 to 70°C

✓ 2.5W maximum power dissipation; Single 3.3V power supply

✓ RoHS-6 compliant (lead free)

APPLICATIONS

✓ IEEE 802.3bm 100GBASE-SR4

SPECIFICATIONS

Part Number	Package	Data Rate	Wavelength	Reach	TX	RX	Connector	TX Power	RX Sensitivity
NX-QP-8G100-01-xx	QSFP28	100G	850nm	100m	VCSEL	PIN	MTP/MPO	-8.4~2.4dBm	-10.3dBm

ORDER INFORMATION

Part Number	Product Description
NX-QP-8G100-01-xx	QSFP28 SR4 Transceiver MTP/MPO 850nm 100m

Notes

1. *Where (01 = 100m) denotes reach in meters.*
2. *Where "xx" denotes compatibility short codes. (xx = CI for Cisco, xx = DL for DELL etc.)*
3. *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			