# 40G QSFP+ SR4 TRANSCEIVER

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NEXCONEC® 40G QSFP+ SR4 Transceivers are designed for use in 40 Gigabit per second links over multimode fiber. They are compliant with the QSFP+ MSA and IEEE 802.3ba 40GBASE-SR4. The optical transmitter portion of the transceiver incorporates a 4-channel VCSEL (Vertical Cavity Surface Emitting Laser) array, a 4-channel input buffer and laser driver, diagnostic monitors, control and bias blocks.

## FEATURES

✓ High Channel Capacity: 40Gbps per module

✓ Up to 11.2Gbps Data rate per channel

✓ MTP/MPO optical connector

✓ High Reliability 850nm VCSEL technology

✓ Maximum link length of 100m links on OM3; multimode fiber or 150m links on OM4 multimode fiber

✓ Hot Pluggable

✓ Power dissipation < 1.5 W

✓ Commercial operating case temperature range: 0 to 70°C

✓ RoHS-6 Compliant

## APPLICATIONS

✓ 40GB Ethernet links,   InfiniBand QDR, DDR and SDR,   40G Telecom connections

## SPECIFICATIONS

| Part Number | Package | Data Rate | Wavelength | Reach | TX | RX | Connector | TX Power | RX Sensitivity |
|---|---|---|---|---|---|---|---|---|---|
| NX-QF-8G40-01-xx | QSFP+ | 40G | 850nm | 100m | VCSEL | PIN | MTP®/MPO | -7.6~2.4dBm | -9.5dBm |
| NX-QF-8G40-03-xx | QSFP+ | 40G | 850nm | 300m | VCSEL | PIN | MTP®/MPO | -7.6~2.4dBm | -9.9dBm |

## ORDER INFORMATION

| Part Number | Product Description |
|---|---|
| NX-QF-8G40-01-xx | 40G QSFP+ SR4 Transceiver MTP®/MPO, (850nm) MM 100m |
| NX-QF-8G40-03-xx | 40G QSFP+ SR4 Transceiver MTP®/MPO, (850nm) MM 300m |

*Notes*

1. *Where (01 = 100m, 03 = 300m) 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 | | | |