

# TN-QSFP-100G Series

## Cisco Compliant 100G QSFP28

### QSFP28 100GBase-X With DMI



The Transition Networks TN-QSFP-100G Series QSFP28 optical transceivers are hot-swappable pluggables that can be installed in any QSFP28 port for 100 Gigabit Ethernet connections. The new generation of 100G transceiver solutions, which are compliant with the IEEE 802.3bm standard, offer customers a wide selection of high-density, compact footprint and low-power 100G Ethernet connectivity options.

Application includes: data center, high-performance computing network, core network

## Features

- Hot-pluggable QSFP28 form factor
- High capacity: up to 103.1 Gbps
- QSFP28 MSA Compliant
- Single 3.3V Power Supply
- Power dissipation < 3.5 Watts
- Digital Diagnostic Monitoring
- RoHS Compliant
- 100GBase-SR4: 4 x 25 Gbps, 850nm, Multimode, 100 m over OM4, MPO
- 100GBase-LR4: 4 x 25 Gbps, WDM wavelength, Single Mode, 10 km, Duplex LC
- 100GBase-CWDM4 MSA: 4 x 25Gbps, WDM wavelength, Single Mode, 2 km, Duplex LC

## Specifications

Standards	IEEE 802.3bm SFF 8436
Dimensions	Width: 0.71" [18 mm] Depth: 2.83" [72 mm] Height: 0.33" [8.5 mm]
Power Input	3.3V
Environment	Operating: 0°C to +70°C Storage: -40°C to +85°C
Compliance	IEC 60825-1, FDA CDRH 21-CFR 1040.10 Class 1
Warranty	Lifetime

\*Transition Networks' QSFP28 modules fully comply with the Multi-Sourcing Agreement (MSA). This compliance allows our QSFP28 modules to be used in all other MSA compliant QSFP28 platforms. In addition, Transition Networks QSFP28 modules are also Compliant with all Cisco QSFP28 based routers and switches, as well as Cisco's IOS software. Transition Networks QSFP28 modules ARE NOT Cisco OEM brand modules.



## Ordering Information

### Duplex

#### TN-QSFP-100G-SR4

QSFP28 100GBase-SR4, 850nm multimode (MPO) [100 m/328 ft. on OM4] [70 m/229 ft. on OM3] with DMI Link Budget: 2.3 dB

#### TN-QSFP-100G-LR4

QSFP28 100GBase-LR4, 1295nm, 1300nm, 1304nm, 1309nm, single mode (LC) [10 km/6.2 mi.] with DMI Link Budget: 6.3 dB

#### TN-QSFP-100G-CWDM4

QSFP28 100GBase-LR4, 1295nm, 1300nm, 1304nm, 1309nm, single mode (LC) [2 km/1.2 mi.] with DMI Link Budget: 6.3 dB