

400G QSFP-DD Coherent 80km Optical Transceiver Module

Product Features

- **Form Factor** QSFP-DD
- **Speed** 400G (PM-16QAM Modulation)
- **Channel Spacing** ITU-T 100GHz/ 75GHz C-band
- **Reach** 80~120km (amplified) over SMF
- **Operating Temperature** Commercial: 0°C to +70°C
- **Connector** Duplex LC
- **Hot Pluggable**



Brand Compatibility

Applications

- Ethernet transmission over DWDM links (IPoDWDM) for DCI or point to point application

OEM Equivalent Part Number

Key Specifications

Part Type	Max Data Rate	Fiber Type	Transmitter	Output Power	Receiver Sensitivity	Power Supply	Power Consumption	DDM
ND-TP48-QSFP-DD-ZR-400G	400Gbps	SMF	191.3 THz - 196.1 THz	-10 to -6dBm	-12dBm	3.3V	16.5W (Max.)	Yes

Compliance

- Compliant to QSFP-DD MSA
- Compliant to OIF 400ZR, Version 01.0, March 10,2020
- Hardware Specification Compliant to QSFP-DD-Hardware-rev5
- Management Interface Compliant to QSFP-DD-CMIS-rev4 and coherent CMIS MSA OIF-C-CMIS-01.0

Qualifications and Testing

- **Manufacturer:** OEM equivalent part; designed, tested, fabricated to supplier specifications following ISO certified processes. RoHS compliant & class 1 laser certified.
- **Supplier:** 100% compatibility tested in the listed brands.
- **Order:** All parts are tested for traffic functionality per supported layer 2/3 protocol, DOM/DDM threshold and calibration, EEPROM MSA value verification, serial number verification & optical cleanliness.

Warranty

- 3 years replacement warranty.