

400G Optical Module

NT-QSFPDD-400G-100m



NT-QSFPDD-400G-100m is a hot-pluggable QSFP-DD transceiver for 400G links over multimode fiber. It is high performance module for short-range data communication and interconnect application which operate at 400Gbps up to 70m using OM3 multimode fiber or 100m using OM4 multimode fiber.

This module is designed to operate over multimode fiber systems using a nominal wavelength of 850nm. The electrical interface uses a 76 pins connector. The optical interface uses MPO connector.

Product Features

- ✓ Hot-pluggable QSFP28 form factor
- ✓ Supports 25.78125Gb/s bit rate per channel
- ✓ Maximum link length of 70m over OM3 Multimode Fiber (MMF) and 100m over OM4 (MMF)
- ✓ 4 channels 850nm VCSEL laser and 4 channels PIN photo detector array
- ✓ Single MPO connector receptacle
- ✓ Internal CDR circuits on both receiver and transmitter channels
- ✓ Case operating temperature range: 0 ~ +70° C
- ✓ Single 3.3V power supply
- ✓ Power dissipation: <2.5 W
- ✓ QSFP28 housing with enhanced EMI shielding

Application

- ✓ Data center
- ✓ 400GBASE-SR8 400G Ethernet

Standard

- ✓ Compliant to QSFP-DD MSA
- ✓ Compliant with IEEE 802.3cd
- ✓ RoHS complaint