

# 25G Optical Module

## NT-SFP28-25G-100m



NT-SFP28-25G-100m is a single-Channel, Pluggable, Fiber-Optic SFP28 for 25 Gigabit Ethernet and Infiniband EDR Applications. It is a high performance module for short-range data communication and interconnect applications which operate at 25.78125Gbps up to 70m using OM3 fiber or 100m using OM4

fiber. This module is designed to operate over multimode fiber systems using a nominal wavelength of 850nm. The electrical interface uses a 20 contact edge type connector. The optical interface uses duplex LC receptacle.

### Product Features

- ✓ Hot-pluggable SFP28 form factor
- ✓ Supports 25.78125Gb/s bit rate
- ✓ Maximum link length of 70m on OM3 MMF and 100m on OM4 MMF
- ✓ Duplex LC receptacle
- ✓ Operating environment temperature -40 ~ +85°C
- ✓ Low power consumption
- ✓ SFP28 housing with enhanced EMI shielding
- ✓ Single 3.3V power supply

### Applications

- ✓ 25GBASE-SR Ethernet
- ✓ 32G Fibre Channel

### Standards

- ✓ Compliant with SFF-8472
- ✓ Compliant with IEEE802.3by
- ✓ Compliant with SFF-8431
- ✓ RoHS complaint

## NT-SFP28-25G-10km



PIN receiver.

NT-SFP28-25G-10km is a single-Channel, Pluggable, Fiber-Optic SFP28 for 25G Ethernet and 5G Wireless Applications. It is a high performance module which operates at 25.78Gb/s up to 10km by single mode fiber. This module uses the duplex LC receptacle, which use uncooled 1310 nm DFB Laser transmitter and 1310nm

### Product Features

- ✓ Hot-pluggable SFP28 form factor
- ✓ Supports 24.33Gb/s~25.78Gb/s bit rate
- ✓ Uncooled 1310nm DFB Laser transmitter and PIN receiver
- ✓ Maximum link length of 10km SMF
- ✓ Duplex LC receptacle
- ✓ Operating case temperature range
- ✓ Commercial: 0° C ~ +70° C
- ✓ Industrial: -40° C ~ +85° C
- ✓ Low power dissipation: < 1.2W
- ✓ Single 3.3V power supply
- ✓ Class1 laser safety compliance

### Applications

- ✓ 25G Ethernet
- ✓ eCPRI/CPRI-10
- ✓ Data center

### Standards

- ✓ Compliant to SFP28 MSA
- ✓ Compliant with IEEE 802.3cc
- ✓ Compliant with SFF-8432, SFF-8472
- ✓ RoHS complaint

## NT-BIDI-25G-10km-A/B



NT-BIDI-25G-10km-A/B is a single-Channel, Pluggable, Fiber-Optic SFP28 for 25G Ethernet and 5G Wireless Applications. It is a high performance module which operates at 25.78Gb/s up to 10km by single mode fiber. This module uses the simplex LC receptacle, which use 1270nm/1330nm DFB Laser and

1330nm/1270nm PIN receiver.

### Product Features

- ✓ Hot-pluggable SFP28 form factor
- ✓ Supports 25.78Gb/s bit rate
- ✓ 1270nm DFB Laser and 1330nm PIN receiver for NT-BIDI-25G-10km-A
- ✓ 1330nm DFB Laser and 1270nm PIN receiver for NT-BIDI-25G-10km-B
- ✓ Maximum link length of 10km SMF
- ✓ Simplex LC receptacle
- ✓ Operating case temperature range: -40 ~ +85°C
- ✓ Low power dissipation: <1.5W
- ✓ Single 3.3V power supply

### Applications

- ✓ 25G Ethernet
- ✓ eCPRI/CPRI-10
- ✓ Data center

### Standards

- ✓ Compliant to SFP28 MSA
- ✓ Compliant with IEEE 802.3cc
- ✓ Compliant with SFF-8432, SFF-8472
- ✓ RoHS complaint