

10G Optical Module

NT-SFP-10G-300m



NT-SFP-10G-300m is a 10.3125Gbps 300m SFP+ multimode transceiver.

Product Features

- ✓ Up to 10.5Gbps data rate
- ✓ 850nm VCSEL Laser and PIN photo detector
- ✓ Duplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Operating temperature range:
- ✓ Commercial: 0°C ~+70°C
- ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10G BASE-SR
- ✓ Fiber Channel

Standards

- ✓ Compliant with SFP+ MSA
- ✓ Compliant with SFF-8472
- ✓ Compatible with IEEE802.3ae 10GBASE-SR
- ✓ 10GFC

NT-SFP-10G-1.4km



NT-SFP-10G-1.4m is a 10.3125Gbps 1.4km LC Duplex SFP+ transceiver.

Product Features

- ✓ Up to 10.5Gb/s bit rates
- ✓ 1310nm FP Laser and PIN photo detector
- ✓ Duplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Operating temperature range:
- ✓ Commercial: 0°C ~70°C
- ✓ Industrial: -40°C ~85°C
- ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10GBASE-LR/LW
- ✓ 10G Fiber Channel

Standards

- ✓ Compliant with MSA SFP+ specification(SFF-8431)
- ✓ Compliant with SFF-8472
- ✓ CPRI Line Rate Option: 9830.4Mbps
- ✓ Compliant to IEEE 802.3ae

NT-SFP-10G-10km



NT-SFP-10G-10km is a 10.3125Gbps 10km LC Duplex SFP+ transceiver.

Product Features

- ✓ Up to 10.5Gb/s bit rates
- ✓ 1310nm DFB Laser and PIN receiver
- ✓ Duplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Up to 10km transmission distance over Single Mode Fiber
- ✓ Operating case temperature range:
- ✓ Commercial: 0°C ~+70°C
- ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10G BASE-LR/LW
- ✓ 10G Fiber Channel

Standards

- ✓ Complies with SFP+MSA(SFF-8431)
- ✓ Complies with SFF-8472
- ✓ Complies with IEEE802.3ae

NT-SFP-10G-20km



NT-SFP-10G-20km is a 10.3125Gbps 20km LC Duplex SFP+ transceiver.

Product Features

- ✓ Up to 10.5Gb/s bit rates
- ✓ 1310nm DFB Laser and PIN receiver
- ✓ Duplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Up to 20km transmission distance over Single Mode Fiber
- ✓ Operating case temperature range:
- ✓ Commercial: 0°C ~+70°C
- ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10G BASE-LR/LW
- ✓ 10G Fiber Channel

Standards

- ✓ Complies with SFP+MSA(SFF-8431)
- ✓ Complies with SFF-8472
- ✓ Complies with IEEE802.3ae

NT-SFP-10G-40km



NT-SFP-10G-40km is a 10.3125Gbps 40km LC Duplex SFP+ transceiver.

Product Features

- ✓ Up to 10.3125 Gbps data rate
- ✓ 1550nm EML transmitter and High performance PIN receiver
- ✓ Duplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Up to 40km transmission distance over Single Mode Fiber without CDR inside
- ✓ Operating temperature range:
 - ✓ Commercial: 0°C ~+70°C
 - ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10G BASE-ER/EW
- ✓ 10G Fiber Channe

Standards

- ✓ Complies with SFP+ MSA(SFF-8431)
- ✓ Complies with SFF-8472
- ✓ Complies with IEEE802.3ae

NT-SFP-10G-80km



NT-SFP-10G-80km is a 10.3125Gbps 80km LC Duplex SFP+ transceiver.

Product Features

- ✓ Up to 10.3125Gbps data rate
- ✓ 1550nm EML cooled transmitter and High performance APD receiver
- ✓ Duplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Up to 80km transmission distance over Single Mode Fiber
- ✓ Operating case temperature range:
- ✓ Commercial: 0°C ~ +70°C
- ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10G BASE-ZR/ZW

Standards

- ✓ Complies with SFP+MSA(SFF-8431)
- ✓ Complies with SFF-8472
- ✓ Complies with IEEE802.3ae

NT-BIDI-10G-10km/20km/40km/60km-A/B



NT-BIDI-10G-10km / 20km / 40km / 60km -A/B are 10.3125Gbps 10km / 20km / 40km / 60km LC BIDI SFP+ transceivers.

Product Features

- ✓ Up to 10.5Gb/s bit rates
- ✓ 1270nm DFB Laser and 1330nm PIN receiver for NT-BIDI-10G-xxkm/xxkm/xxkm/xxkm-A
- ✓ 1330nm DFB Laser and 1270nm PIN receiver for NT-BIDI-10G-xxkm/xxkm/xxkm/xxkm-B
- ✓ Simplex LC receptacle optical interface compliant
- ✓ Single +3.3V power supply
- ✓ Hot-pluggable
- ✓ AC coupling of CML signals
- ✓ International Class1 laser safety certified
- ✓ Up to 10km transmission distance over Single Mode Fiber
- ✓ Operating temperature range:
- ✓ Commercial:0°C ~+70°C
- ✓ RoHS Compliant
- ✓ DDMI function available with internally calibrated mode

Applications

- ✓ 10G BASE-LR/LW
- ✓ 10G Fiber Channel

Standards

- ✓ Complies with SFP+MSA(SFF-8431)
- ✓ Complies with SFF-8472 .
- ✓ Complies with IEEE802.3ae