

10Gbit/s CWDM Optical Data Transceiver



Shown with dust cap fitted

Features

- Multi-rate optical transceiver for 10 Gbit/s or 1 Gbit/s signals
- Duplex receiver and transmitter in single package
- High receiver sensitivity APD
- 18 CWDM wavelength selections (1470 nm - 1610 nm)
- For use with select LYNX-Technik products
- Pluggable and hot swappable
- Lead free and RoHS compliant

Description

The OH-TR-10G-XXXX-LC optical data transceiver is a plug in option for select LYNX Technik products. This SFP module includes a receiver and a transmitter, which facilitate the conversion of an electrical ethernet signal into an optical signal for transmission over fiber and vice versa.

18 CWDM wavelength selections are provided. The modules can support 1Gbit/s and 10Gbit/s signals.

Technical Specifications

TX Specifications	Min	Typ	Max
Wavelength	$\lambda_c - 6 \text{ nm}$	λ_c	$\lambda_c + 7.5 \text{ nm}$
Optical Power	0 dBm	-	4 dBm
Linear Extinction Ratio	3.5 dB	-	-

$\lambda = 1270/1290/1310/1330/1350/1370/1390/1410/1430/1450/1470/1490/1510/1530/1550/1570/1590/1610 \text{ nm}$

RX Specifications	Min	Typ	Max
Receiver Sensitivity	-	-	-23 dBm
Wavelength	1260 nm	-	1620 nm
Overload	-8 dBm	-	-
Loss of Signal Asserted	-37 dBm	-	-
Loss of Signal De-Asserted	-	-	-24 dBm
Optical Hysteresis	1 dB	-	-

Mechanical	
Size (not including connector - typ)	57.4 mm x 13.4 mm x 12.7 mm
Weight	50 g
SFP Connector pinning	MSA
Fiber connections	LC / Duplex - Singlemode
Operating Temperature Range	0 °C - 70 °C
Power Supply Voltage	3.3V DC
Power Consumption	max. 455 mA
Humidity (non condensing)	90%

Safety Standards



Ordering Information

EAN / UPC	Model	Description
4250479328938	OH-TR-10G-1270-LC	10 Gbit/s CWDM Fiber Transceiver - 1270 nm
4250479328945	OH-TR-10G-1290-LC	10 Gbit/s CWDM Fiber Transceiver - 1290 nm
4250479328952	OH-TR-10G-1310-LC	10 Gbit/s CWDM Fiber Transceiver - 1310 nm
4250479328969	OH-TR-10G-1330-LC	10 Gbit/s CWDM Fiber Transceiver - 1330 nm
4250479328976	OH-TR-10G-1350-LC	10 Gbit/s CWDM Fiber Transceiver - 1350 nm
4250479328983	OH-TR-10G-1370-LC	10 Gbit/s CWDM Fiber Transceiver - 1370 nm
4250479328990	OH-TR-10G-1390-LC	10 Gbit/s CWDM Fiber Transceiver - 1390 nm
4250479329003	OH-TR-10G-1410-LC	10 Gbit/s CWDM Fiber Transceiver - 1410 nm
4250479329010	OH-TR-10G-1430-LC	10 Gbit/s CWDM Fiber Transceiver - 1430 nm
4250479329027	OH-TR-10G-1450-LC	10 Gbit/s CWDM Fiber Transceiver - 1450 nm
4250479328242	OH-TR-10G-1470-LC	10 Gbit/s CWDM Fiber Transceiver - 1470 nm
4250479328259	OH-TR-10G-1490-LC	10 Gbit/s CWDM Fiber Transceiver - 1490 nm
4250479328266	OH-TR-10G-1510-LC	10 Gbit/s CWDM Fiber Transceiver - 1510 nm
4250479328273	OH-TR-10G-1530-LC	10 Gbit/s CWDM Fiber Transceiver - 1530 nm
4250479328280	OH-TR-10G-1550-LC	10 Gbit/s CWDM Fiber Transceiver - 1550 nm
4250479328297	OH-TR-10G-1570-LC	10 Gbit/s CWDM Fiber Transceiver - 1570 nm
4250479328303	OH-TR-10G-1590-LC	10 Gbit/s CWDM Fiber Transceiver - 1590 nm
4250479328310	OH-TR-10G-1610-LC	10 Gbit/s CWDM Fiber Transceiver - 1610 nm

WARNING

This SFP module is a Class 1 laser device which complies to IEC825 and FDA 21 CFR 1040.10 and 1040.11. The device must be operated within specified temperature and voltage limits. The optical ports of the module must always be terminated with an optical connector or a dust plug (dust plug supplied).

** Distance is an approximation. Actual distances achieved can be longer or shorter depending on the type of fiber cable and accumulated optical losses in the fiber link. Determine link losses and perform optical budget calculations to ensure correct operation.