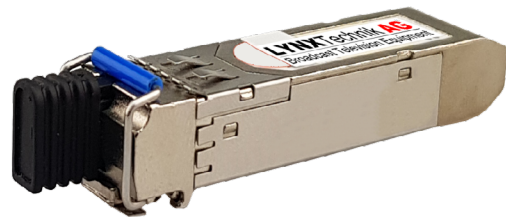


# fiber options

## OH-BD-51-1550-LC Fiber SFP Data Sheet

### Optical Bi-directional Gigabit Ethernet Transceiver

- Data optical Transceiver
- 1.25Gbps/1.063Gbps dual data-rate operation
- Receiver and transmitter in a single package
- SFP MSA and SFF-8472 compliant with simplex LC receptacle
- Compatible with SONET OC-24-LR-1
- 1550nm TX Wavelength / 1310nm RX Wavelength
- For distances up to 20km\*\*
- For use with greenMachine, yellobrik, and Series 5000 product lines
- Pluggable and hot swappable
- Lead free and RoHS compliant



Shown with dust cap fitted

The OH-BD-51-1550-LC optical bi-directional gigabit ethernet transceiver is an integrated part or plug in option for select LYNX Technik greenMachine, yellobrik, and Series 5000 products. This SFP module transmits an optical data signal and also receives an optical data signal over a single fiber link. TX Wavelength is a fixed 1550nm and suitable for distances up to 20km\*\*. The RX wavelength is between 1260 and 1360nm. The module offers a data rate of 1.25Gbit/s (Gigabit Ethernet) and 1.063Gbit/s (Fiber Channel).

A socket, or "cage" is provided for the SFP in the supporting LYNX product for easy installation or upgrade. The SFP is hot swappable.

This SFP is typically used in simple WDM closed loop point to point applications and is intended to be paired with the **OH-BD-51-1310-LC** SFP at the other end of the fiber link.

### TX Specifications

Parameter	Min	Typ	Max
Wavelength	1530nm	1550nm	1570nm
Optical Power	-9dBm	-	-3dBm
Linear Extinction Ratio	9.0	-	-

Weight	50g
SFP Connector pinning	MSA
Fiber connections	LC(Simplex) - Singlemode
Operating Temperature Range	5°C - 40°C
Power Supply Voltage	3.3VDC
Power Consumption	300mA max
Humidity (non condensing)	85%

### Mechanical

Parameter	
Size (not including connector - typ)	57mm x 13.4mm x 12.4mm

### RX Specifications

Parameter	Min	Typ	Max
Wavelength	1260nm		1360nm
Overload	-3dBm	-	-
Loss of Signal Asserted	-35 dBm	-	-
Loss of Signal De-Asserted	-	-	-24 dBm
Optical Hysteresis	1 dB	-	4 dB

Country of manufacture: Taiwan

### Ordering Information

EAN / UPC	Model	Description
4250479323759	OH-BD-51-1550-LC	Optical bi-directional Gigabit Ethernet Transceiver SFP Module

\*\* 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.

#### 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)



Rev 1.0 Specifications subject to change

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