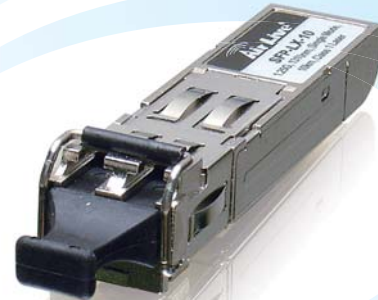


## SFP-LX-10

### 1000Base-LX MiniGBIC Transceiver, LC connector, 10km

The SFP-LX-10 is a high performance and cost-effective module for serial optical data communication applications specified for single mode of 1.25 Gb/s. The module is intended for single mode fiber, operates at a nominal wavelength of 1310nm. The module is a duplex LC connector transceiver designed for use in Gigabit Ethernet applications and to provide IEEE802.3z compliant link for 1.25Gb/s applications.



#### Specifications

##### General

- Supply Voltage: 3.1 V ~ 3.5V
- Supply Current: 250 mA
- Operating Temperature: 0°C~70°C
- Storage Temperature: -40°C~85°C

##### Transmitter (Electrical - Optical)

- Output Power: -9.5 dBm ~ -3 dBm
- Extinction Ratio: 9 dB
- Coupled Power Ratio: 9 dB
- Wavelength: 1310 nm
- Spectral Width (RMS): 2.5 nm
- Rise/Fall Time, (20-80%): 260 ps
- Relative Intensity Noise: -120 dB/Hz
- Total Jitter: 227 ps
- Eye Mask: Compliant with IEEE 802.3ae
- Max. Pout TX-DISABLE Asserted: -45 dBm
- Differential Input Voltage: 0.4 V ~ 2.0V

##### Receiver Specifications (Electrical -optical)

- Optical Input Power-maximum: -3 dBm (BER < 10-12)
- Optical Input Power-minimum (Sensitivity): -20 dBm (BER < 10-12)
- Wavelength: 1310 nm
- Optical Return Loss: 12 dB
- Loss of Signal-Asserted: -20 dBm
- Loss of Signal-Deasserted: -35 dBm
- Differential Output Voltage: 0.5 V ~ 1.2 V
- Data Output Rise, Fall Time (20-80%): 0.35 ns
- Receiver Loss of Signal Output Voltage-Low: 0V ~ 0.5V
- Receiver Loss of Signal Output Voltage-High: 2.4 V

##### Produce Weight (g)

- 16 g

##### Dimensions

- 67 x 13 x 9 mm

#### Ordering Information:

**AirLive SFP-LX-10** 1000Base-LX MiniGBIC Transceiver, LC connector, 10km