

# Moxa SFP-1GLXLC Datasheet



Moxa SFP-1GLXLC SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature

## SFP-1GLXLC

Moxa's small form-factor pluggable transceiver (SFP) Ethernet fiber modules for Gigabit Ethernet provide coverage across a wide range of communication distances.

## Specifications

- Part Number: SFP-1GLXLC
- Product Type: SFP-1G Series
- Product: SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature
- Ethernet Interface
  - Ports: 1
  - Connectors: Duplex LC connector
  - Transceiver Type: Single-mode
  - Fiber Cable Type: G.652
  - Typical Distance: 10km
  - Wavelength
    - Typical (nm): 1310
    - TX Range (nm): 1280 to 1355
    - RX Range (nm): 1260 to 1610

- Optical Power
  - TX Range (dBm): -3 to -9
  - RX Range (dBm): -3 to -21
- Link Budget (dB): 12
- Dispersion Penalty (dB): 1
- Typical Distance: To reach the typical distance of specified fiber transceiver, please refer to formula:  $\text{Link budget(dB)} > \text{dispersion penalty(dB)} + \text{total link loss(dB)}$
- Power Parameters
  - Power Consumption: Max. 1 W
- Environmental Limits
  - Operating Temperature: 0 to 60°C (32 to 176°F)
  - Storage Temperature (package included): -40 to 85°C (-40 to 185°F)
  - Ambient Relative Humidity: 5 to 95% (non-condensing)
- Standards and Certifications
  - Safety: CE, FCC, TUV (EN 60825), UL 60950-1
  - Maritime: DNV-GL

For more information of this Moxa SFP-1GLXLC, please visit Moxa website:

<https://www.moxa.com/en/products/accessories/sfp-modules/gigabit-ethernet-sfp-modules/sfp-1g-series/sfp-1glxlc>

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