

Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module

1000Base-LX (LC) Single-Mode Port, 10 km (6.2 mi.), WDM (RX1550/TX1310)

Part No.: 507509

EAN-13: 0766623507509 | UPC: 766623507509

Gigabit Fiber SFP Optical Transceiver Module

The line of Intellinet Network Solutions Small Form Factor Pluggable (SFP) Transceivers provides the best combination of performance and affordability. These mini-GBIC (Gigabit Interface Converter) modules offer a metal housing that reduces electromagnetic interference and increases durability.

Small Size for High-Density Fiber Connections

The transceiver is available in mini-GBIC form factor, making it ideal for environments that require many fiber connections by taking up less space in your cabinet or computer room.

Compatibility

Compatibility in your network is everything, and the Intellinet Network Solutions SFP Transceiver Module delivers. Use it with any Intellinet Network Solutions SFP equipped network switch or any other MSA compliant SFP enabled switch. And since the Intellinet Network Solutions SFP transceiver module is set to broadcast the vendor on GLC-BX-U, compatibility to your Cisco gear is provided.

Hot-Pluggable

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The Intellinet Network Solutions Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module is fully hot-pluggable, and that allows you to install the module without rebooting your network switch for uninterrupted network traffic.

Digital Diagnostics Monitoring (DDM)

The Intellinet Network Solutions Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module supports standard digital diagnostics monitoring (DDM) functions, also known as digital optical monitoring (DOM). The DDM/DOM function will monitor parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage, in real time.

WDM (bi-directional wavelength division multiplexing) Technology Advantage

The Intellinet Network Solutions Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module utilizes a single strand of fiber to transmit network traffic on separate receive and transmit wavelengths (1310/1550 nm). This innovative technology effectively uses the two strands for two independent connections or to double the capacity without laying a second fiber cable. Note that this transceiver must be used in conjunction with Intellinet Network Solutions part number 507486.

Features:

- Fits any Intellinet Gigabit Ethernet switch with SFP module slots, or any MSA or Cisco compliant SFP port
- Must be used with Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module, Intellinet model 507486 or Cisco model GLC-BX-D
- Data transfer rate: 1000 Mbps
- One 1000Base-LX single-mode Fiber LC port
- Fiber distance support: up to 10 km (6.2 mi.)
- WDM (wavelength division multiplexing) technology utilizes only one strand of fiber to transmit data on separate receive and transmit wavelengths
- Wavelengths: receive (RX), 1550 nm; transmit (TX), 1310 nm
- Compliant with the SFP Multi-Source Agreement (MSA)
- Equivalent to the Cisco GLC-BX-U transceiver
- SFP standard form factor
- Supports digital diagnostics monitoring (DDM)
- Low EMI due to fully metallic housing
- Supports hot-plugging
- Fully NDAA-compliant
- Three-Year Warranty

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Specifications:

Standards
• IEEE 802.3z (Fiber Optic Gigabit Ethernet)

General
• Media support: 1000Base-LX single-mode 9/125 µm Fiber
• Connector: Fiber LC port, 1000Base-LX
• Distance: 10 km
Wavelengths:
  - Receive (RX): 1550 nm
  - Transmit (TX): 1310 nm
• Fiber power budget:
  - Maximum TX power: -3 dB
  - Minimum TX power: -8 dB
  - Sensitivity: -24 dB
  - Power budget: 16 dB
• Design: SFP (small form factor pluggable)
• Certifications: FCC Class A, CE, RoHS, UKCA, NDAA

Compatible Brands
• Cisco, Intellinet Network Solutions, ZyXEL, Linksys, TP-Link, Ubiquiti, D-Link, Edimax, Allnet, Allied Telesis, Digitus, KTI Networks, LevelOne, PLANET, Tenda, TRENDnet, ZTE, Avaya, Mikrotik, Enterasys, Finisar, Dell Force10, Riverstone, Fortinet and more

Power
• Power requirement: 3.3 V
• Power consumption: 1.0 Watt (maximum)

Environmental
• Dimensions: 57 (L) x 14 (W) x 12 (H) mm (2.24 x 0.55 x 0.5 in.)
• Weight: 37 g (1.3 oz.)
• Operating temperature: 0 – 70°C (32 – 158°F)
• Operating humidity: 10 – 85% RH, non-condensing
• Storage temperature: -40 – 85°C (-40 – 185°F)

Package Contents
• Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module

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