



Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module

1000Base-BX-U (LC) Single-Mode Port, 80 km (50 mi.), BiDi WDM (RX1550/TX1490), MSA-compliant for Maximum Compatibility, Silver
Part No.: **508797**

EAN-13: 0766623508797 | UPC: 766623508797

Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module - MSA compatible, affordable premium performance with WDM benefits

The Small Form Factor Pluggable (SFP) Transceiver from Intellinet Network Solutions provides a great combination of performance and affordability. Also known as a mini-Gigabit Interface Converter (GBIC), this SFP module's metal housing offers increased durability while reducing electromagnetic interference.

Small Size for High-Density Fiber Connections

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

Multi-vendor Compatible

Compatibility in your network is everything, and this SFP Transceiver Module delivers. Use it with any Intellinet SFP equipped network switch or any other Multi Source Agreement (MSA) compliant SFP enabled switch. It is designed, programmed and tested to work with compatible switches and routers from Cisco, Intellinet Network Solutions, ZyXEL, 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.

For more information on Intellinet products, consult your local dealer or visit www.intellinet-network.com.

All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

Hot-Pluggable

This 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)

This module supports standard digital diagnostics monitoring (DDM) functions, also known as digital optical monitoring (DOM). This gives the user the ability to 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 (1550/1490 nm). This innovative technology allows you to effectively use the two strands for two independent connections or to double the capacity without laying a second fiber cable. Note that this transceiver (model 508797) must be used with Intellinet Network Solutions model 508629 or Cisco model GLC-BX80-DA.

Features:

- MSA-compliant for compatibility with leading switch manufacturers such as Cisco, Intellinet Network Solutions, ZyXEL, TP-Link, Ubiquiti and more (see specs)
- Must be used with Gigabit Fiber WDM Bi-Directional SFP Optical Transceiver Module, Intellinet model 508629 or Cisco model GLC-BX80-DA
- Data transfer rate: 1000 Mbps
- One 1000Base-BX single-mode fiber LC port
- Fiber distance support: up to 80 km (50 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), 1490 nm
- Equivalent to the Cisco GLC-BX80-UA 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

Specifications:

Standards

- IEEE 802.3z (Fiber Optic Gigabit Ethernet)

General

- Media support: 1000Base-BX single-mode 9/125 μ m fiber
- Connector: fiber LC port, 1000Base-BX
- Distance: 80 km (50 mi.)

Wavelengths:

- Receive (RX): 1550 nm
- Transmit (TX): 1490 nm
- Fiber power budget:
 - Maximum TX power: 0 dB
 - Minimum TX power: -5 dB
 - Sensitivity: -26 dB
- Design: SFP (small form factor pluggable)
- SFF-8472 Diagnostic Monitoring Interface for Optical Transceivers
- Certifications: FCC Class A, CE, RoHS, UKCA, NDAA

Power

- Power requirement: 3.3 V
- Power consumption: 1.0 W (maximum)

Environmental

- Dimensions (L x W x H): 57 x 14 x 12 mm (2.24 x 0.55 x 0.5 in.)
- Weight: 20 g (0.71 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

