Industrial 10 Gigabit Fiber SFP+ Optical Transceiver Module

10GBase-SR (LC) Multi-Mode Port, 300 m (984 ft.), MSA-compliant for Maximum Compatibility, Silver

Part No.: 508667

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Industrial 10G SFP+ Module - capable of handling extreme temps, MSA compatible

The Enhanced Small Form Factor Pluggable (SFP+) module from Intellinet Network Solutions combines 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.

10G Connectivity

Whether you need a fast connection to your 10-GbE-equipped server or NAS device, or if you simply want to connect two Gigabit switches in your data center at higher speeds to eliminate bottlenecks, the Intellinet Network Solutions 10GBase-SR Fiber SFP+ Optical Transceiver Module is the right choice in getting the speeds and bandwidth you want.

Small Size for High-Density Fiber Connections

The transceiver's mini-GBIC form factor helps it take up less space on the equipment it plugs into. It's ideal in environments that require many fiber connections.

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.

Hot-pluggable

There's no need to power down your LAN switch in order to install or remove the transceiver. This makes it very convenient and easy to make adjustments to your network that allow your business to keep pace with the changing demands of the market.

Digital Diagnostics Monitoring (DDM)

This transceiver supports standard digital diagnostics monitoring (DDM) functions, also known as digital optical monitoring (DOM). This function 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.

Equipped even for challenging environment conditions

With its rugged, protective metal housing, the transceiver operates reliably, even in extreme temperatures from -40 - 75°C (-40 - 167°F).

Features:

- MSA-compliant for compatibility with leading switch manufacturers such as Cisco, Intellinet Network Solutions, ZyXEL, TP-Link, Ubiquiti and more (see specs)
- Data transfer rate: 10 Gbps
- One 10GBase-SR multi-mode fiber LC duplex port
- Fiber distance support: up to 300 m (984 ft.)
- Wavelength: 850 nm
- Equivalent to the Cisco SFP-10G-SR transceiver
- SFP+ standard form factor
- Supports digital diagnostics monitoring (DDM)
- Wide operating temperature: -40 - 75°C (-40 - 167°F)
- 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)
• IEEE 802.3ae (Fiber Optic 10 Gigabit Ethernet)

General
• Media support: 10GBase-SR multi-mode fiber
• Connector: fiber LC duplex port
• Distance:
  - 300 m (984 ft.) with 50/125 µm cable on 2000 MHz-km
  - 33 m (108 ft.) with 62.5/125 µm cable on 200 MHz-km
• Wavelength: 850 nm
• Fiber power budget:
  - Maximum TX power: -1 dB
  - Minimum TX power: -6 dB
  - Sensitivity: -10 dB
  - Power budget: 4 dB
• Design: SFP+ (enhanced small form-factor pluggable)
• SFF-8472 Diagnostic Monitoring Interface for Optical Transceivers
• Certifications: FCC Class B, CE, RoHS, UKCA, NDAA

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

Physical
• 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.)

Environmental
• Storage temperature: -40 - 85°C (-40 - 185°F)
• Operating temperature: -40 - 75°C (-40 - 167°F)
• Operating humidity: 5 – 95% RH, non-condensing

Package Contents
• Industrial 10 Gigabit Fiber SFP+ Optical Transceiver Module

DIGITAL DIAGNOSTICS MONITORING (DDM)

1. Transceiver Temperature

2. Transceiver Supply Voltage

3. Laser Bias Current

4. Transmit Average Optical Power

5. Received Average Optical Power