

# Gigabit Single-Mode Dual-Core Optical Module Parameters



## Overview

The QSFP-ESR4-100G Module is designed for use in 100GBASE Ethernet throughput up to 200m over OM3 MMF or 300m over OM4 MMF using a wavelength of 850nm via a MTP/MPO-12 connector. This transceiver is compliant with IEEE 802.3bm 100GBASE-SR4 and CAUI-4 standard. The industry-standard Cisco® Small Form-Factor Pluggable (SFP) Gigabit Interface Converter (Figure 1) links your switches and routers to the network. The hot-swappable input/output device plugs into a Gigabit Ethernet port or slot. Optical and copper models can be used on a wide variety of Cisco. The SFP transceivers are high performance, cost effective modules supporting dual data-rate of 1. The transceiver consists of three sections: a FP laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and. Juniper Networks® has platforms ranging from the Juniper Networks CTP Series Circuit to Packet Platforms, BX Series Multi-Access Gateways, E Series Broadband Services Routers, M Series Multiservice Edge Routers, MX Series 3D Universal Edge Routers, to the T Series Core Routers. SFP modules support very low EMI and excellent ESD. The NS.

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



**Description** The SFP transceivers are high performance, cost effective modules supporting dual data-rate of 1.25Gbps/1.0625Gbps and 20km transmission distance with SMF. The transceiver consists of ...



**Features and Benefits** The following table lists the different pluggable optic modules and supported platforms, along with the technical specifications for each.



There are 2 single fiber duplex transmissions in current SFP form factor. It operates with +3.3V power supply. The module is intended for single mode fiber, operates at a nominal wavelength of Tx: ...



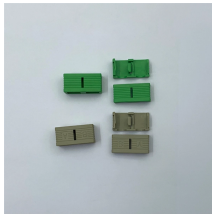
The GLC-BX-D-IO modules supports a link length of up to 10km on standard single-mode fiber (SMF, G.652). A GLC-BX-U-IO module is used at the other end of the fiber.



Powered by a high-efficiency 1310 nm wavelength Fabry-Pérot laser diode, the transceiver supports data rates of up to 1.25 Gbps over a reach of up to 20 km on duplex single-mode fiber optic cables.



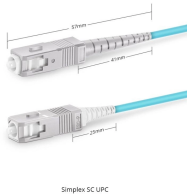
It is a gigabit optical module that uses single mode double fiber with LC ports. It has a transmission distance of up to 20 km using 1310nm wavelengths for both sending and receiving. The ...



Learn how to choose the right 1G SFP module for your network. Our guide covers compatibility, distance, fiber type, cost, and vendor selection for optimal performance.



SFP modules support very low EMI and excellent ESD protection. Featuring low power consumption, these fiber modules are ideal for enterprise LAN networks and other optical links. Please select the ...



This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.



This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial inter-face. The optical signals are multiplexed to a single-mode fiber through ...



It is a gigabit optical module that uses single mode double fiber with LC ports. It has a transmission distance of up to 20 km using 1310nm ...



This feature gives the end user the ability to monitor real-time parameters of the SFP, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage.

## Contact Us

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