

Force Gigabit Optical Module



Summary of Content

The Force10 GP-SFP2-1Z is a 1000BASE-ZX SFP module supporting Gigabit Ethernet over single-mode fiber up to 80 km.

Overview

The Force10 GP-SFP2-1Z compatible SFP module is designed for 1G Gigabit Ethernet and 1G Fibre Channel applications. It operates over single-mode fiber (SMF) with an LC duplex connector and a wavelength of 1550 nm, supporting link distances of up to 70–80 km, depending on fiber quality and link loss. This module is hot-swappable, allowing installation or replacement without powering down the network device, and complies with SFP MSA, IEEE 802.3z, and SFF-8472 standards for broad compatibility with MSA-compliant equipment .

Key Features

- **Compatibility:** Works with Force10 switches, routers, servers, and NICs; tested for multi-switch environments to ensure reliable operation .
- **Monitoring:** Includes DOM/DDM functionality to monitor real-time fiber link parameters, helping detect and troubleshoot network issues quickly .
- **Performance:** Equipped with a DFB laser and PIN receiver, providing stable optical links and low power consumption for long-distance 1G networks .
- **Cost Efficiency:** Produced by a third-party manufacturer (OPTCORE), offering up to 80% savings compared to the original Force10 GP-SFP2-1Z module .

Installation and Usage

Article Content

Optical Modules for Huawei S Series Switches

Applying too much force to the optical fibers may damage the optical module. If an optical module cannot be completely inserted into

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit

How to choose the right optical module

For users, choosing the right optical module for their applications can be a major challenge. This article will provide

SFP Optical Transceiver | SFP Optical Module | Perle

By eliminating the need to maintain surplus units/ devices of various fiber types for network repairs or

Fortinet Transceivers Data Sheet

Transceiver modules can be expensive, especially those with sensitive high-speed optics. Fortinet delivers high-quality transceivers,

Everything You Need to Know About Optical Modules

Optical modules are electronic devices used in communication systems to transmit optical signals. These modules

Understanding SFP, Optical Modules, and Gigabit Transceivers for

Discover the features of SFP, optical modules, and gigabit transceivers for fast data transmission and network

How to Install and Remove Optical Modules Safely

Install optical modules safely with ESD protection, proper handling, and dust control. Follow these steps to avoid

Gigabit SFP Module: A Complete Guide to 1G SFP Transceivers

This guide focuses on what a gigabit SFP module is, how it works, the main types available, and how to choose the right one for your

Cisco 40 Gigabit Modules

Cisco offers a broad range of 40 Gigabit Ethernet interfaces to meet the high-performance connectivity requirements of campus, data

Installing Optical Modules

Ensure that optical modules are not reversely installed. If an optical module cannot be completely inserted into an optical port, do not

Dell Force10 S-Series

S-Series S60 high-performance access switch The Dell Force10 S-Series S60 is a high-performance 1/10 GbE access switch

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

Gigabit Ethernet Network Modules

The Gigabit Ethernet network module provides single-port Gigabit Ethernet connectivity through an installed Gigabit

NGFW Appliance Interface Compatibility Matrix

This compatibility matrix article transceiver compatibility with the NGFW appliance on-board SFP+ and QSFP ports and interface

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Gigabit SFP Module: A Complete Guide to 1G SFP Transceivers

A gigabit SFP module is a hot-pluggable transceiver designed to deliver 1Gbps Ethernet connectivity over fiber or copper, and it

How to enable the 10-Gigabit Ethernet and Gigabit Ethernet SFP

Resolution Issue these commands to enable the 10-Gigabit Ethernet and/or the Gigabit Ethernet Small Form-Factor

Cisco Gigabit Ethernet GBIC/SFP Modules

Cisco offers a range of GBIC transceivers and Small Form-factor Pluggables (SFP) transceivers for Gigabit Ethernet and Fibre

SFP+ Modules and Cables Compatible with Intel® Ethernet Converged...

SFP+ optical module, SFP module, and direct attach cable requirements for the Intel® Ethernet Converged Network

Cisco Nexus 7700 F3-Series 48-Port Fiber 1 and 10 Gigabit Ethernet ...

This data sheet covers the Cisco Nexus 7700 F3-Series 48-Port Fiber 1 and 10 Gigabit Ethernet Module, which offers

Installation and Maintenance Guide for Gigabit Optical Modules and 10 ...

Avoid applying excessive force during insertion or removal to prevent damage to the optical module and device

Cisco Gigabit Ethernet Network Module

The single-port Cisco Gigabit Ethernet Network Module (part number NM-1GE) provides Gigabit Ethernet optical and

Industrial Gigabit Fiber SFP Optical Transceiver Module, Single-Mode

Also known as a mini-Gigabit Interface Converter (GBIC), this industrial SFP module's metal housing offers increased durability while

Heavy Reading White Paper: 800G Client Optics in the Data

When hyperscale data center operators start deploying a new generation of client optics, they immediately require massive volumes

Intel Support

Developer Access live technical support and self-help resources for developers.

Cisco 25 Gigabit Modules

Cisco 25 Gigabit Modules 25 Gigabit Modules Overview The Cisco ® 25GBASE SFP28 (Small Form-Factor Pluggable) portfolio

Troubleshooting Methods for Gigabit Optical Modules and 10 ...

The following are notes on the use of Gigabit optical modules and 10Gb optical modules, some common causes of

A Comprehensive 1G Optical Modules Guide to Definition, Evolution,

The journey of Gigabit optical modules represents a significant evolution from their predecessors. In the ever

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the

ePMP Force 180 Subscriber Module | Cambium Networks

ePMP Force 180 ePMP™ Force 180 5 GHz subscriber module: Next generation of the ePMP 5 GHz Integrated Radio

Force10 GP-SFP2-1Z Compatible 1000BASE-ZX 80km SFP optics

This Force10 GP-SFP2-1Z compatible SFP module supports 1000BASE-ZX Gigabit Ethernet connectivity and 1G fiber channel

Dell Networking S4810

802.1Q VLAN Tagging, Double VLAN Tagging, GVRP 802.1s MSTP 802.1w RSTP
802.1X Network Access Control 802.3ab Gigabit

Contact Us

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