

What optical module should I pair with a 16Gbps card



Article Overview

For a 16Gbps card, a 16G FC SFP+ transceiver is the recommended optical module, with options for short, long, or extended wavelength depending on your fiber type and distance requirements.

Recommended Module Types

- 16G FC SFP+ SR (Short Reach): Operates over multimode fiber up to 100 meters, wavelength 850nm, LC duplex connector, suitable for point-to-point SAN connections .
- 16G FC SFP+ LW (Long Reach): Supports single-mode fiber up to 10 km, wavelength 1310nm, LC duplex interface, ideal for campus or inter-building links .
- 16G FC SFP+ EW (Extended Reach): Designed for distances up to 40 km over single-mode fiber, wavelength 1550nm, LC duplex interface, suitable for long-haul connections .

Key Considerations

- Form Factor: Ensure your 16Gbps card supports SFP+ modules, which is standard for 16G Fibre Channel cards .
- Fiber Type: Match the module to your fiber—multimode for short distances (SR) and single-mode for longer distances (LW/EW) to avoid signal loss .
- Wavelength: 850nm for SR, 1310nm for LW, and 1550nm for EW; this affects both distance and fiber compatibility

Article Content

Compatible 8G/16G SFP+ Optics Solution for Brocade 6520 Switch

The use of flexible 16 Gbps and 8 Gbps optics also allows for demand-based data center capacity deployment. The

Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the

Does SFP28 Optical Module Compatible to 16Gbps?

I have recently building a project and it require 16Gbps data rate. The FPGA board only has SFP cage, so I am

How to Choose SFP Module for Compatibility, Speed, and Distance

Learn how to choose the right SFP module based on compatibility, speed, fiber type, wavelength, and distance.

Charting the Path Toward 1.6T and 3.2T Optical Module Solutions

Furthermore, the shift toward 200G/lane optical links in data centers sets the stage for 1.6T and 3.2T optical module solutions with

How to Choose the Right Optical Transceiver Module

Learn how to select the ideal optical transceiver module based on speed, fiber type, compatibility, and real deployment

SFP+ DWDM 16Gb FC Universal Optical Transceiver | GBC Photonics

GBC Photonics'' Smart Recode Device (SRD) is a professional device designed to alter the configuration of optical transceivers to

10GBASE-T Ultimate Guide: Introduction, Cable, Pros and Cons

10GBASE-T is designed for use over UTP copper lines for distances of up to 100m. This post will introduce the 10G

SFP+ 16/8/4 Gbps FC DWDM 100GHz 13dB 40km LC

The optical performance provides a bridgeable distance of up to 40km (without dispersion compensation) for 16G FC. This

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

Learn what a gigabit SFP module is, how it works, main types, key specifications, and common use cases to choose the right 1G

8G/16G/32G FC SFP+/SFP28 Transceiver Modules | FiberMall

Fiber Mall's fibre channel transceiver series includes 8G, 16G, 32G optical modules. Compatible with BROCADE, HPE, IBM, Cisco,

What fiber optic network interface card do I need for a WAN connection

My question is what kind of network card do I need to receive the fiber optic connection? I'm currently using the router

Fiber-Optic Cabling Connectivity Guide for 40-Gbps ...

Cabling Options for 40-Gbps Parallel Optical Modules As previously mentioned, in 2010 IEEE 802.3ba approved the 40GBASE-SR4

QLE2690/2692 Data Sheet

Enhanced Gen 5 FC technology resolves data center complexities by enabling a storage network infrastructure that supports

16G SFP+ - Optcore

Optcore 16G SFP+ transceivers are an industry-standard fibre channel (16G FC) module for storage area networks (SANs)

Marvell QLogic 2690 Series Fibre Channel Adapters

Marvell QLogic Enhanced 16G Fibre Channel (16GFC) Adapters and Controllers are utilized in a multitude

SFP+ LR 16Gb FC Universal Optical Transceiver | GBC Photonics

How can you turn your 16G FC SFP+ LR into a Universal Optical Transceiver? GBC Photonics' Smart Recode Device (SRD) is a

16G / 32G FC

Elevate your network's performance with our versatile Small Form Pluggable (SFP) and Small Form Pluggable 28 (SFP28)

I/O Module Options - 380/F, 480/F, 680/F, 880/F

This white paper introduces the Dell Unity XT series platform which includes Unity XT 380/F, 480/F, 680/F, and 880/F models. It also

The Ultimate Guide to 1.6T Optical Modules for Next-Gen AI ...

To address these challenges, 1.6T optical modules deliver higher bandwidth and improved performance, enabling

Cisco Optics-to-Device Compatibility Matrix

Cisco Optics-to-Device Compatibility Matrix Comprehensive compatibility information for Cisco optical transceivers and network

SFP Optical Module Specifications: Standards & Performance

A practical guide to SFP Optical Module Specifications, covering data rates, optical budget, Tx/Rx power, DDM/DOM, standards, and

Cisco DS-SFP-FC16G-SW Compatible 16G Fibre Channel SFP

This transceiver is equivalent to the original Cisco DS-SFP-FC16G-SW model. It is applied for High-speed storage

Understanding Pluggable Optical Modules

A QSFP-DD optical module is a high-speed pluggable optical module defined by QSFP-DD MSA. CXP: hot-pluggable high-density

100 Gigabit Ethernet

A networking device may support different PHY types by means of pluggable modules. Optical modules are not standardized by any

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