

Imported Pluggable Optical Module 40G



Overview

A 40G QSFP+ optical transceiver is a compact, hot-pluggable module that combines four 10G lanes into one 40Gbps Ethernet interface. It works by transmitting and receiving high-speed optical signals through either multimode or single-mode fiber, depending on the variant (SR4, LR4). It includes 40GBASE QSFP+ modules, 40G Converter modules, 40G DACs/AOCs and their breakout cables. Featured products such as QSFP-SR4-40G modules and QSFP-LR4-40G modules are also available for choice. The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40Gigabit Ethernet connectivity options for datacenter, high-performance computing networks, enterprise core and distribution layers, and service provider applications. Our latest innovation, the QSFP BiDi 40 GE transceiver, helps you migrate from 10 to 40 Gigabit Ethernet on the same fiber. GIGALIGHT provides the smart box tools for online coding of SFP, XFP, SFP+, QSFP+, and QSFP28 optics, as well as wavelength tuning for 10G tunable XFP/SFP+ optical transceivers. GIGALIGHT provides a series of BER testing tools (checker) for 10G SFP+, 25G/32GFC SFP28, 40G QSFP+, 100G QSFP28, 200G.

Article Content

40G QSFP+ Modules: Specs, Types & Selection Guide

A 40G QSFP+ (Quad Small Form-factor Pluggable Plus) module is a hot-pluggable optical or electrical transceiver that delivers 40 Gbps aggregate bandwidth using four parallel 10.3125 Gbps lanes.

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for

Cisco 40 Gigabit Modules

Cisco's Transceiver Module Group delivers industry-leading, standards-compliant 40 Gigabit pluggable transceiver modules.

40Gb/s QSFP+ Transceiver | Optical Interconnect

Amphenol provides a series of 40G QSFP+ optical module products, including SR4, eSR4, IR4, LR4, ER4 lite, AOC and AOC breakout series.

What is QSFP & QSFP+ Transceiver: An Ultimate Guide

QSFP, Quad Small Form Factor Pluggable, typically 40G transceiver for data center and telecom applications. Check guide for everything about it.

40Gb/s QSFP+ Active Optical Cables

Amphenol provides a series of 40G QSFP+ optical module products, including SR4, eSR4, IR4, LR4, ER4 lite, AOC and AOC breakout series.

40G Optical Transceivers and Cables Portfolio | FS

The series of product adopts LC or MTP/MPO connector and operates over Single Mode or Multimode optical fiber. They can be used for connections from 150m up to 40km and are suitable for 40G

Optical Transceiver Module Mpo Interface 150m Ddm Hot Plug

Featuring a distinct design and ample style, optical transceiver module mpo interface 150m ddm hot plug 40gbase-sr4 fiber optic transceiver for data center switch \$19.88 provides

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

A 40G QSFP+ optical transceiver is a compact, hot-pluggable module that combines four 10G lanes into one 40Gbps Ethernet interface. It works by transmitting and receiving high-speed optical signals

The Ultimate Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28:

What are the Differences Between SFP, SFP+, SFP28, QSFP+ and QSFP28? Unlock higher bandwidth and seamless network scalability with the right optical transceiver technology SFP

Overview of 400G Optical Modules

Differences Between 400G and 10G, 25G, 40G Optical Modules While 10G, 25G, 40G, and even 100G modules have become mainstream, the

Pluggable Optical Modules – GIGALIGHT

The optical amplifier module developed by GIGALIGHT is designed for long-distance transmission systems in digital optical fiber communication. It is specifically designed to work in conjunction with

Cisco Compatible Optical Modules Catalog

EXECUTIVE SUMMARY This document serves as the definitive technical reference for the Cisco Compatible Optical Modules Catalog, encompassing a comprehensive portfolio of Small Form-Factor

Pluggable Optical Modules: Transceivers for the Cisco

Cisco offers a comprehensive range of pluggable optical modules for the Cisco ONS family of multiservice platforms. The wide variety of modules

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP?

Compared with SFP+, the transmission rate of QSFP+ optical modules can be up to four times that of SFP+ optical modules. QSFP+ optical modules can be directly used in 40G network

Cisco 40GBASE QSFP Modules Data Sheet

The Cisco QSFP 40-Gbps BiDi monitor is a pluggable optical module for use with link monitor hardware, such as the Cisco Nexus ® Data Broker. Like the QSFP BiDi transceiver, it has a

SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs QSFP-DD vs

Conclusion The transceiver module is a vital part of high-performance networks. As networks evolve, optical transceivers become more compact, cost-effective, and energy-efficient,

HTF DWDM equipment, OTN Solution, QSFP28 OSFP

HTFuture offers industry-leading fiber optic products and WDM system solutions with global recognition for excellence and innovation.

OEM & ODM 40G /100G QSFP+ QSFP28, OEM Fiber Optic

As part of the Quad Small Form-factor Pluggable (QSFP) family, this module delivers reliable and efficient optical connectivity for demanding network environments.

Arista Optics Modules and Cables

Deployment flexibility with 800G (dual 400G), 400G, 100G, 50G, 40G, 25G, 10G or 1G modules. Hot swappable to maximize uptime and simplify serviceability Data rates from 1GbE to 25GbE supported

The Evolution of 400G, 800G, and 1.6T Optical Modules

With the rapid advancement of AI, HPC, and cloud computing, the demand for high-speed optical modules such as 400G, 800G, and even 1.6T is growing exponentially. This surge is driving

Optical Transceiver Market Price Trends 2026: TCO & Risks

Discover the real engineering TCO behind optical transceiver market price trends in 2026. Explore 800G thermal risks, LPO failures, and hidden OPEX metrics.

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

The 40G QSFP+ optical transceiver – often called a 40g fiber optic transceiver – is a hot-pluggable, high-density module that bundles four independent 10Gbps channels into a single 40Gbps link.

40G Optical Transceivers and Cables Portfolio | FS

The 40G transceiver module portfolio offers customers 40Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service

Contact Us

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