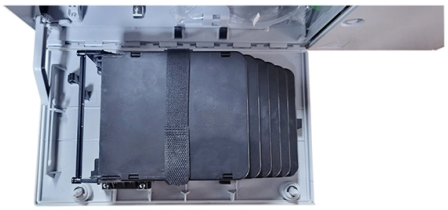
Request a quote for a 40G pluggable optical module configuration



Overview

40G QSFP+ TRANSCEIVERS | SmartopticsQSFP+ (Quad Small Form-factor Pluggable Plus) is a compact, hot-pluggable transceiver designed for 40G Ethernet providi.

Key Takeaways

40G QSFP+ optical modules are available in short-range, long-range, and ER4 configurations, supporting 4x10G channels with various fiber types and distances, and quotes can be requested directly from vendors. Module Types and Configurations1.

Short-

Range (SR) QSFP+ ModulesDesigned for data center applications over multimode fiber (MMF)Typical reach: up to 150 meters using MPO/MTP connectorsSupports 4x10G breakout to 10G links for flexible port utilizationIdeal for enterprise DCI and high-density switching environments (Smartoptics, Cisco) 2.

Long-

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Range (LR) QSFP+ ModulesOperates over single-mode fiber (SMF)Typical reach: up to 10 km using LC connectorsUses CWDM or AWG technology to multiplex four 10G channels into a single 40G linkSuitable for metro, regional networks, and high-performance computing (Cloudswitch, Smartoptics) 3. Extended Reach (ER4) QSFP+ ModulesDesigned for long-distance optical communication up to 40 kmCompliant with 40GBASE-ER4 IEEE 802.3ba standardConverts 4x10G electrical channels to 4 WDM optical signals and multiplexes them for 40G transmissionEnsures high reliability for carrier-grade or inter-data center links (Open Union) 4.

DWD

M QSFP+ ModulesSupports Dense Wavelength Division Multiplexing for extended reachEnables long-distance data center interconnects and carrier transport networksCompatible with major switch vendors and supports breakout configurations Requesting a QuoteTo obtain a quote for a 40G QSFP+ module configuration: Identify the required module type based on distance, fiber type, and breakout needs (SR, LR, ER4, or DWDM). Select a vendor such as FS, Smartoptics, Open Union, Cisco, or Cloudswitch. Provide technical details including: Fiber type (MMF or SMF)Maximum link distanceConnector type (MPO/MTP or LC)Breakout requirements (if 4x10G is needed)Submit a quote request via the vendor's website: FS: 40G QSFP+ modules with 30-day free return Smartoptics: QSFP+ modules supporting breakout and DWDM Open Union: ER4 40G modules for 40 km links Cloudswitch: LR4 40G modules for 10 km SMF Providing these specifications ensures the vendor can generate an accurate quote tailored to your network requirements.

Article Content

40G QSFP+ TRANSCEIVERS | Smartoptics

QSFP+ (Quad Small Form-factor Pluggable Plus) is a compact, hot-pluggable transceiver designed for 40G Ethernet providing a balance of port density and power efficiency.

40G QSFP+ Transceiver Modules | Optical

Click to get your 40G QSFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

Cisco 40 Gigabit Modules

See the variety of choices available with the Cisco 40GBASE and OTU-3 C Form-Factor Pluggable (CFP) modules. These devices enable connectivity in the distribution and core layers of data center,

40G QSFP+

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The GIGALIGHT 40G QSFP+ pluggable optical transceiver modules support 40G Ethernet, InfiniBand QDR and OTN OTU3 data rates. This portfolio includes SR4/SR1.2 150m, CSR4 400m, PSM4

40G QSFP+ SR4 850nm 100m Optical Transceiver | AscentOptics

Ascent Optics'' QSP-40M485-1HCM is a parallel 40Gbps Quad Small Form-factor Pluggable (QSFP) optical module that provides increased port density and total system cost savings.

QSFP+ 40G BiDi 850nm/908nm LC MMF Optical Transceiver Module

The QSFP+ bi-directional transceiver module is intended for 40G Ethernet, with link distances of up to 70 meters with OM3 and 100 meters with OM4 multimode fibers.

40G Optics

All Juniper 40G optics are compliant with key industry standards and specifications for seamless interoperability in multivendor environments and are qualified for use across Juniper''s ACX, EX, MX,

QSFP+ 40G SR4 MMF Transceiver Module 150m

This 40G SR4 QSFP+ module uses a top-quality 850nm VSCEL (Vertical Cavity Surface Emitting Laser) transmitter and an 11.3Gb/s PIN photodiode receiver. QSFP+ 40Gbase SR4 operates in the

40G QSFP+ ZR4 EML LWDM4 80km Optical Transceiver

GIGALIGHT 40G QSFP+ ZR4 optical transceiver module is designed for long-distance interconnectivity in data centers. It complies with the 40G Ethernet transmission protocol and supports dual rates of

40G QSFP+ Transceiver Modules | SR4, LR4, ER4 & Breakout Optics

Shop a wide range of 40G QSFP+ optical modules, including 40GBASE-SR4, LR4, and ER4. Our QSFP+ transceivers support 4x10G breakout mode for high-density 10G deployments.

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

40G QSFP+ Modules Overview: What It Is, Speed & Use Cases A 40G QSFP+ (Quad Small Form-factor Pluggable Plus) module is a compact, hot-pluggable optical/electrical transceiver that delivers

Everything You Should Know About QSFP-40G-SR4 Optical

This article will introduce the 40GBASE-SR4 optical module, this module is designed for 40G Ethernet short range, this article will introduce this module in detail and describe how it works for you.

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Cisco 40-Gigabit QSFP+ Transceiver Modules Installation Note

QSFP-40GE-LR4= This installation note provides the installation instructions for the 40-Gigabit Quad Small Form-Factor Pluggable Plus (QSFP+) transceiver modules. The modules are hot-swappable

Introduction of QSFP-40G-SR4 Modules

What is QSFP-40G-SR4? The QSFP-40G-SR4, standing for Quad Small Form-factor Pluggable 40 Gigabit Ethernet Short Reach 4, is a high-performance optical transceiver module used

40G QSFP+ TRANSCEIVERS | Smartoptics

QSFP-DD transceivers dQSFP+ is a cost-efficient solution for 40G Ethernet that is popular for breakout to maximize fiber utilization.

In-Depth Guide to 40G QSFP+ Optical Modules, DAC, AOC

40G optical modules are increasingly widely used in data centers. 40G optical modules can reach up to 40Gbps to help data centers relieve operational pressure. In detail, this article will introduce 40G

The Evolution of Optical Modules: 400G → 800G → 1.6T – A Strategic ...

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

QSFP+ 40G SR4 optical module, multimode, 100m, MPO connector

Explore the QSFP-40G-SR4 40G SR4 multimode module for 100m with MPO. Cisco compatible - buy for data centers!

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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