

Article Overview

Top QSFP module manufacturers include Cisco, Juniper, HPE, Arista, Dell, Coherent, Innolight, Eoptolink, Accelink, TFC, and QSFPTEK, each excelling in performance, reliability, and compatibility.

Leading OEM and Branded Manufacturers

Many enterprise networking brands like Cisco, Juniper, HPE, Arista, and Dell provide QSFP modules, often sourcing from high-end manufacturers such as Coherent (formerly II-VI) and Innolight before rebranding them . These modules are widely recognized for high reliability, compatibility with mainstream network equipment, and strong technical support, making them a safe choice for enterprise and data center deployments.

High-End Optical Module Specialists

- o Innolight: Focuses on high-end optical communication modules, including 100G, 200G, 400G, and 800G solutions. Known for cloud data center and telecom-grade performance, integrating R&D, design, packaging, and testing .
- o Coherent: Offers premium optical transceivers with strong signal integrity and thermal performance, widely used in OEM-branded modules .
- o Eoptolink: Provides a broad range of high-speed optical modules, including silicon photonics and 800G modules, with extensive customization options for data centers and telecom networks .
- o Accelink: Delivers end-to-end solutions from chips to modules and subsystems, supporting optical transmission, access, and data networks .
- o TFC: Specializes in optical devices and high-speed optical engines, supporting 200G/400G/800G modules with vertical integration from components to finished modules .

Emerging and Flexible Providers

- o QSFPTEK: Offers a wide range of QSFP modules with rigorous testing, fast global shipping, and extensive technical support. They provide solutions for AI clusters, HPC, and DWDM networks, making them suitable for specialized high-performance applications .

Key Considerations When Choosing a Manufacturer

- o Compatibility: Ensure the module works with your existing switches, routers, or servers.
- o Data Rate and Form Factor: QSFP+ (40G), QSFP28 (100G), QSFP56 (200G), and QSFP-DD (400G) support different speeds. Choose based on network requirements .
- o Thermal and Power Efficiency: Low power consumption and effective heat dissipation are critical for dense data center deployments .



QSFP optical module brand

- o Support and Availability: Global shipping, local warehouses, and responsive technical support can reduce downtime and deployment issues .
- o Customization and Advanced Features: Some manufacturers offer silicon photonics, PAM4 modulation, and DWDM solutions for specialized applications .

Conclusion

For enterprise-grade reliability, Cisco, Juniper, HPE, Arista, and Dell modules sourced from Coherent or Innolight are excellent choices. For high-performance or specialized applications, consider Eoptolink, Accelink, TFC, or QSFPTEK, which provide advanced features, broad product ranges, and strong technical support. Ultimately, the best manufacturer depends on your network speed requirements, compatibility, and deployment environment.

Compare SFP, SFP+, SFP28, QSFP+, and QSFP28 optical transceivers. Learn how form factors affect speed,

The definitive guide to the QSFP optical module series (40G, 100G, 400G, 800G). Learn the technical differences, evolution path,

OptiModule by eSeeSky Inc. -- Enterprise optical transceivers from 10G to 800G. SFP+, QSFP28, QSFP-DD, OSFP. MSA

Explore FS QSFP28 SR4 optical transceiver with low power consumption, perfect compatibility, and reliable

Originally designed to replace single-channel SFPs with high-density optical modules, the QSFP is only 30% larger

If you're looking for the most advanced optical module package on the market, look no further than QSFP. QSFP+ and

What is QSFP+? How many types of 40G QSFP transceiver do you know? And what's the difference between QSFP

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode

Our complete quad small form factor pluggable, QSFP connector portfolio includes QSFP+, zQSFP,

The QSFP standard was followed by Cisco's QSFP optical transceiver modules, which were created for fast data

This blog will explore the function of SFP modules, SFP module types, applications and how to choose suitable SFP

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for

Topstar -- Your Excellent One-stop Optical Network Transceiver Manufacturer in the World Topstar is a leading optical modules

Cisco QSFP-DD and OSFP 800G ZR/ZR+ digital coherent optics modules enable 800G traffic

As modern enterprise networks scale up to handle increasing data loads and higher bandwidth requirements, the

Complete Guide to QSFP-DD, QSFP28, QSFP56, SFP56, and SFP28 Optical Modules As high-speed

Web: <https://in-au.co.za>

