

40G Optical Module Product Introduction



Article Overview

40G QSFP+ optical modules provide high-speed, low-power, and versatile connectivity for data centers, enterprise networks, and high-performance computing applications.

Overview

40G QSFP+ (Quad Small Form-Factor Pluggable) optical modules are designed for 40 Gigabit Ethernet connectivity. They are hot-swappable, compact, and compatible with IEEE 802.3ba standards, supporting high-speed data transmission over multimode or single-mode fiber networks (Cisco, Amphenol, FS).

Types and Transmission Distances

40G QSFP+ modules come in various types depending on fiber type and reach:

- Multimode (MMF): SR4, eSR4, supporting 100m–300m over OM3/OM4 fibers (Cisco, Amphenol, C-LIGHT, Solid Optics)
- Single-mode (SMF): LR4, ER4, ER4 lite, supporting 2km–80km (Amphenol, C-LIGHT, Solid Optics)
- Active Optical Cables (AOC) and DAC breakout cables for short-range connections (Amphenol, Solid Optics) C-LIGHT modules offer extended distances up to 90km, suitable for metropolitan area networks and long-haul applications .

Standards and Compatibility...

Article Content

Comprehensive understanding of 400G optical modules

In the past two years, the demand for 400G optical modules in high-performance data centers, intelligent computing centers, super

40G Optical Transceivers and Cables Portfolio | FS

The 40G transceiver module portfolio offers customers 40Gigabit Ethernet connectivity options for data center, high-performance

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40GBASE Optical Transceivers and Cables Portfolio Product Overview The 40G transceiver module portfolio offers customers a

40G Optical Transceivers and Cables Portfolio | FS

Product Overview The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40 Gigabit

What is a 40G Optical transceiver? What Are the Characteristics?

The 40G optical transceiver is a product derived to meet the needs of higher-density high-speed pluggable solutions. It has 4

40G QSFP+ Optical Transceiver Modules | Solid Optics

40G QSFP+ optical transceivers available in multimode (100m & 300m) and single mode options (2km, 10km, 40km) and DAC

X-linkit 40G Optical Modules: The Complete Guide for High-Speed ...

X-linkit's 40G portfolio solves a critical market pain point: the gap between short-reach limitations and the high cost of

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

40G QSFP+ Optical Transceiver Modules,FAQ For 40G Optical

QSFP-40G-SR4 optical modules are more often used in multi-mode applications, use for short distance connections for data center

Optical Transceiver Manufacturer,40G QSFP+ Optical Module Type ...

Connect with switch: The port number and port type of different switches are different. 10G switch generally means that 10G port

Contact Us

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