

Myanmar Active Optical Module QSFP



Article Overview

QSFP Active Optical Components (AOCs) provide high-speed, high-density optical connectivity for data centers and telecom networks, supporting 40 Gbps to 100 Gbps and beyond.

Overview of QSFP and AOCs

QSFP stands for Quad Small Form-Factor Pluggable, a compact, hot-pluggable transceiver standard that integrates four independent electrical channels into a single module, enabling scalable bandwidth from 40 Gbps to 1.6 Tbps across successive generations . QSFP modules are widely used in Ethernet, InfiniBand, Fibre Channel, and SONET/SDH networks, offering high-density connectivity for switches, routers, and servers . Active Optical Cables (AOCs) are fiber-optic cables with integrated transceivers at both ends. Unlike passive copper cables, AOCs actively convert electrical signals to optical signals, allowing longer transmission distances, reduced electromagnetic interference (EMI), and lower signal loss . They are ideal for high-speed interconnects in data centers, supercomputers, and enterprise networks.

Key Features

- Data Rates: QSFP+ supports 4x10 Gbps (40 Gbps aggregate), while QSFP28 supports 4x25 Gbps (100 Gbps aggregate) using NRZ modulation .
- Form Factor: Compact size (12.5 mm x 18.2 mm x 5.6 mm) with a press-fit cage for secure PCB mounting .
- Connectivity: Supports MPO/MTP multi-fiber connectors for parallel optical transmission and LC duplex connectors for single-mode applications

Article Content

Feb 26, 2026

QSFP and QSFP+ Interconnect Solutions

Molex's quad small form-factor pluggable (QSFP+) solution is designed for high-density applications. Components of

Sep 17, 2025

QSFP, QSFP+, and QSFP28: What You Need to Know About the

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

Aug 09, 2025

Types of Optical Modules

All optical modules are hot swappable. Small form-factor pluggable (SFP) optical module: supports LC fiber connectors. Enhanced

Nov 14, 2025

40G QSFP+ Optical Transceivers | Transceiver Modules

Get cost-effective 40G QSFP+ transceivers at QSFPTEK online store for high-performance 40GbE connectivity. QT QSFP+ includes

Jan 30, 2026

The Ultimate Guide to Cisco QSFP Optical Transceiver Modules

Without a doubt, in high-speed networking environments, Cisco QSFP (Quad Small Form-Factor Pluggable) optical

Apr 25, 2026

Understanding Pluggable Optical Modules

QSFP-DD (Quad Small Form-Factor Pluggable-Double Density) optical module: It is a double-density four-channel small pluggable

Nov 20, 2025

QSFP 100Gbps Active Optical Cable (AOC) Cisco QSFP-100G

QSFP 100Gbps Active Optical Cable (AOC) - Cisco QSFP-100G-AOCxM Compatible Connect 100Gbps Cisco Switches, Routers

Nov 16, 2025

56G QSFP+ Active Optical Cable Datasheet | FS

With a comprehensive line of original-brand switches, we can recreate an environment and test each optics in practical application to

Jan 02, 2026

Microsoft Word

4X10 Gb/s bi-directional operation Compliant to industrial standard SFF-8436 QSFP+ active optical modules Low power

Jan 14, 2026

SFP, QSFP, QSFP-DD, OSFP Active Optical Cable Assemblies

SFP, QSFP, QSFP-DD, OSFP ACTIVE OPTICAL CABLE ASSEMBLIES Our active optical cable assembly portfolio provides

Feb 08, 2026

Myanmar Active Optical Device 40G

BlazingFast Photonics delivers high-speed optical transceivers, silicon photonics, co-packaged optics, OSFP 1.6T modules, laser

Nov 05, 2025

What is QSFP & QSFP+ Transceiver: An Ultimate Guide

QSFP AOC: Active optical cable with QSFP+ module on both ends, mainly for medium to long reach interconnectivity.

Oct 03, 2025

40G QSFP+ Transceiver Modules | Optical Transceivers

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

May 21, 2026

Understanding SFP, SFP+, QSFP and Beyond: Choosing the Right ...

QSFP Active Optical Cable (AOC): A pre-terminated optical cable with QSFP+ modules at both ends, designed for medium- to long

Apr 01, 2026

Spec Sheet

These 40G QSFP+ assemblies are capable of transmitting data up to 40Gb/s, offering an easy installation with a flexible, multimode

Sep 27, 2025

100GBASE QSFP-100G Modules Data Sheet

QSFP-100G Optical modules Features and benefits of Cisco QSFP modules Hot-swappable input/output device that

Aug 29, 2025

All About QSFP Cables, Connectors, and More

QSFP interconnects include direct attach copper (DAC), active optical cables (AOC), optical modules, and active

Mar 14, 2026

QSFP+ Active Optical Cables

The AOCs offer customers the flexibility of traditional optical modules by interfacing to systems via a standard QSFP MSA connector.

Sep 05, 2025

40Gbps QSFP+ Active Optical Cable QSFP+-AOC

Optone QSFP AOC operate in the low power mode (less than 1.5 W power consumption) This pin active high will decrease power

Mar 04, 2026

Detailed Explanation of QSFP Optical Module Packaging

QSFP Package Fundamentals QSFP, short for Quad Small Form-factor Pluggable, is a four-channel small form-factor pluggable

May 22, 2026

Spec Sheet

QSFP+ 40G Siemon 40G QSFP+ Active Optical Cable (AOC) assemblies offer a highly reliable and cost-effective alternative to

Nov 15, 2025

40G QSFP Modules-Optical Transceivers

This module offers a high-density, low-power 40GBASE Ethernet solution suitable for data centers, high-performance computing

Jul 17, 2026

40G QSFP+ TRANSCEIVERS | Smartoptics

QSFP+ breakout allows four independent 10G links to operate over a single 40G transceiver, reducing the

Feb 10, 2026

QSFP28 Active Optical Cable Assemblies

COST EFFICIENT, HIGH PERFORMANCE, PLUG AND PLAY INTERCONNECT SOLUTIONS
Amphenol ICC's 100G QSFP28 to

May 04, 2026

40G Active Optical Cable QSFP

40G Active Optical Cable QSFP • Supports 4-channel 10.3125Gbps bi-directional data links • Compliant with IEEE 802.3 • Compliant

Oct 08, 2025

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or

Jul 08, 2026

Spec Sheet

Regional Availability - Global Siemon 40G QSFP+ Active Optical Cable (AOC) assemblies offer a highly reliable and cost-effective

Jul 01, 2026

40G QSFP+ Active Optical Cable Datasheet | FS

Description FS QSFP+ Active Optic Cables are a high performance, low power consumption, long reach interconnect solution

Dec 27, 2025

QSFP28 Active Optical Cable | Optical Interconnect | Amphenol

Amphenol's 100G QSFP28 to QSFP28 Active Optical Cable assemblies are a reliable, cost and power efficient,

Jan 19, 2026

QSFP Modules: Complete Transceiver Guide | Ascent Optics

Learn what a QSFP module is, how QSFP+, QSFP28, QSFP56, and QSFP-DD differ, and how to choose the right

Aug 04, 2025

Spec Sheet

Active Optical Cables QSFP28 100G Siemon 100G QSFP28 Active Optical Cable (AOC) assemblies offer a highly reliable and cost

Sep 10, 2025

QSFP-DD Optical Transceivers for High-Speed Connections

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

Oct 30, 2025

78-5102-0183-9 A

In high-performance networking environments it is sometimes important to connect between different connector types. 3M's new

Jan 10, 2026

40Gb/s QSFP+ Active Optical Cables (AOC)

40Gb/s QSFP+ Active Optical Cables (AOC) DESIGNED FOR USE IN 40 GIGABIT ETHERNET APPLICATIONS. COMPLIANT

Sep 26, 2025

Spec Sheet

AOC's QSFP+ offer customers flexibility of traditional optical modules by interfacing to systems via a standard InfiniBand, Ethernet,

Jul 31, 2025

40G QSFP+ Transceiver Modules | Optical Transceivers

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

Contact Us

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