

North Macedonia OEM Optical Line Terminal QSFP



Overview

The module converts 4 input channels (ch) of 10Gb/s electrical data to 4 CWDM optical signals and multiplexes them into a single channel for 40Gb/s optical transmission. As technologies like AI, cloud computing, and com), our direct attach cables (DAC) provide a cost-efficient. Explore how AI clusters are reshaping network architecture, from XPU-centric design to multi-plane scalability, and learn how 800G modules enable high-performance, low-latency interconnects for modern AI data centers. In the design of AI computing clusters, Scale-Up and Scale-Out have different. Our complete quad small form factor pluggable, QSFP connector portfolio includes QSFP+, zQSFP, QSFP28, QSFP56 and QSFP 112G. Our QSFP portfolio provides a simple upgrade path from 10 Gbps NRZ to 112Gbps PAM-4 — including four. The QSFP+ transceiver is designed for 40km optical communication applications, which is compliant with 40GBASE-ER4 of the IEEE P802. Many suppliers list compatibility with brands such as Arista, Cisco, Broadcom, NVIDIA.



Article Content

Feb 21, 2026

OEM-compatible optical transceivers & cables

We provide high-quality OEM-compatible optical transceivers and cables that are rigorously tested for performance and compatibility with leading networking equipment.

Sep 12, 2025

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5.0 over optical link, enabling scalable server disaggregation and ...

Jan 09, 2026

QSFP, QSFP+, zQSFP, QSFP28 and QSFP56, QSFP 112G | TE Connectivity

Our complete quad small form factor pluggable, QSFP connector portfolio includes QSFP+, zQSFP, QSFP28, QSFP56 and QSFP 112G. We provide a large range of simple and customizable design ...

Oct 30, 2025

OEM 800G QSFP-DD Optical Modules: Technical Overview and ...

For network vendors or data-centre buyers requiring OEM 800G QSFP-DD optical modules, the key differentiators are brand compatibility, correct coding/EEPROM, accurate labeling ...

Oct 07, 2025

QSFP+ CONNECTORS AND CAGES

QSFP (or quad SFP) connectors provide four channels of data in one pluggable interface. Each channel is capable of transferring data up to 14 Gbps, supporting a total of 56 Gbps.

Nov 05, 2025

North Macedonia HW QSFP-40G-ER4 1310nm 40km 40GBASE-T ...

The module converts 4 input channels (ch) of 10Gb/s electrical data to 4 CWDM optical signals and multiplexes them into a single channel for 40Gb/s optical transmission.

Jun 04, 2026

QSFP, QSFP+, zQSFP, QSFP28 and QSFP56, QSFP ...

Our complete quad small form factor pluggable, QSFP connector portfolio includes QSFP+, zQSFP, QSFP28, QSFP56 and QSFP 112G. We provide a large range ...

Jan 13, 2026

Comprehensive Guide to QSFP - MapYourTech

QSFP modules employ various optical connector types depending on the application and reach requirements. The mechanical interface must ensure proper fiber alignment and minimize ...

Jun 08, 2026

OEM Optic, Inc

At OEM Optic (), our direct attach cables (DAC) provide a cost-efficient, high-performance solution for short-reach connectivity in 2025's data centers.

Sep 28, 2025

Optical Transceivers | Network Solutions for AI Cluster, HPC

This article explores how to interconnect OSFP and QSFP-DD ports in 400G/800G networks, covering key principles, form factor differences, and practical solutions for stable, high-speed data center ...

Sep 02, 2025

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each transceiver undergoes rigorous testing and comes supported by a Limited ...

Contact Us

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