



# QSFP Active Optical Module for Cloud Computing

Design for the speed you need, today and tomorrow with TE Connectivity's portfolio of QSFP connectors including QSFP+, zQSFP, QSFP28 and QSFP56 interconnects.

Our optical modules feature traditional DPO, low-power LRO, LPO, and Active Loopback designs for testing, and support data rates from 10G up to 1.6T across a wide range of package types.

QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane signals into a single module, it supports four times the data throughput of the SFP while maintaining a slightly ...

QSFP-DD (Quad Small Form Factor Pluggable Double Density) and QSFP112 are advanced QSFP-based transceivers designed for high-speed networking, primarily targeting 400G ...

Custom 100G & 200G Solutions: QSFP28, QSFP56, QSFP-DD & CFP2 (Cloud, AI & DCI) Scaling hyperscale cloud facilities, AI computing clusters, and Data Center Interconnects (DCI) demands ...

QSFP 400G modules enable ultra-fast links between geographically distributed cloud facilities, ensuring high-throughput data replication and synchronization. They help cloud providers deliver low-latency, ...

400G QSFP112 SR4 and DR4 Transceivers for NVIDIA AI, InfiniBand and Ethernet Networks As AI clusters, GPU servers, HPC platforms and cloud data centers move rapidly toward ...

Explore NVIDIA's 800G optical modules with QSFP-DD and OSFP form factors. Learn about performance specifications, compatibility features, and application scenarios for AI clusters ...

SFP vs QSFP module differences explained. Learn about compatibility, speeds, and use cases for network setups.

Maximize port utilization and simplify cabling with 100G breakout-capable modules and QSFP28 cables, providing scalable, multi-speed connectivity for modern AI, cloud, and HPC networks.

Quad Small Form-factor Pluggable (QSFP) transceivers are available with a variety of transmitter and receiver types, allowing users to select the appropriate transceiver for each link to provide the ...

The Cisco QSFP-100G-SR-S Module is a pluggable optical transceiver with a duplex LC connector interface supporting link lengths of 70 and 100 meters on laser-optimized OM3 and ...



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Boost AI, cloud, and 5G with QSFP-DD optical modules offering high bandwidth, low latency, and seamless scalability.

QSFP28 supports 4x25G lanes, totaling 100 Gbps. It's the go-to transceiver for 100G Ethernet, offering high density and low power consumption.

QSFP cables are high-speed transceiver and cabling solutions that combine four lanes of data transmission in one compact form factor. Originally designed for 40G Ethernet (QSFP+), they ...

With an unprecedented need for bandwidth driven by the major adoption of streaming video, social networking and related applications leveraging cloud computing and artificial intelligence (AI), the ...

Web: <https://maxtools.co.za>

