

Kazakhstan-branded active optical module QSFP



Overview

The QSFP-ESR4-100G Module is designed for use in 100GBASE Ethernet throughput up to 200m over OM3 MMF or 300m over OM4 MMF using a wavelength of 850nm via a MTP/MPO-12 connector. This transceiver is compliant with IEEE 802.3bm 100GBASE-SR4 and CAUI-4 standard. The acronym QSFP stands for Quad Small Formfactor Pluggable, and QSFP is a family of connectors and cable assemblies that share a mating interface. A mating interface is where the two separable pieces of a connector system that come together to form an interconnect. ● Hot-swappable input/output device that plugs into a 100G Gigabit Ethernet Cisco QSFP port. ● Interoperable with other IEEE-compliant 100GBASE interfaces where. Segments - by Product Type (QSFP+, QSFP28, QSFP-DD, and Others), Application (Data Centers, Telecommunications, Enterprise Networks, and Others), Data Rate (40 Gbps, 100 Gbps, 200 Gbps, 400 Gbps, and Others), Form Factor (Pluggable, Embedded), End-User (IT and Telecommunications, BFSI, Healthcare. Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. QSFP28 (Quad Small Form-Factor Pluggable 28) is a compact transceiver form factor designed for high-capacity 100G Ethernet. By providing four lanes of 25G, QSFP28 enables a streamlined upgrade path from lower-speed networks, making it a popular choice for scaling data center interconnect (DCI) and. The FS® 100GBASE Quad Small Form-Factor Pluggable (QSFP28) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider.

Article Content

QSFP, QSFP+, SFP, SFP+ transceiver modules and ...

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100G QSFP28 Cable and Transceiver Modules Data Sheet | FS

This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial inter-face. The optical signals are multiplexed to a single-mode fiber through ...

QSFP-DD Product Family » Acacia

Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D Siliconization. Supports an expansive list of interoperability ...

QSFP28 optical transceivers | Smartoptics

QSFP28 Active Optical Cables (AOC): Utilize optical fiber to achieve longer-distance connections while maintaining a lightweight and flexible form factor, suitable for inter-rack and inter-data center links.

QSFP Optical Module Wiki

Independently developed by Walsun, the fiber-optic pluggable QSFP+ optical module features high bandwidth, high speed, small form factor, and low power consumption. It integrates four ...

QSFP Optical Module Market Research Report 2034

The accelerating shift toward artificial intelligence (AI) and machine learning (ML) workloads, which demand extremely low-latency, high-throughput interconnects between GPU clusters, has emerged ...

QSFP, QSFP+, SFP, SFP+ transceiver modules and DAC, AOC cables

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All About QSFP Cables, Connectors, and More

QSFP28 is a QSFP module that is designed for 100G applications and offers four channels with data rates ranging from 25 Gb/s up to 40 Gb/s. The type of transceiver used depends ...

Comprehensive Guide to QSFP - MapYourTech

QSFP modules implement a 2-wire serial interface based on I2C protocol for configuration, monitoring, and diagnostic functions. This interface provides access to a ...

100GBASE QSFP-100G Modules Data Sheet

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 ...

Contact Us

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