

Afghanistan Spot High-Speed Optical Connector QSFP-DD



Overview

The high-speed I/O surface mount card edge connector features 76 gold plated pins and operates at a temperature range of -40°C to $+85^{\circ}\text{C}$, supporting aggregate data rates of 400 Gbps. 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. 8mm pitch and a dual-mating interface. The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the rear interface. This. Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) offers twice as many high-speed electrical interfaces as QSFP28 while maintaining the same port density. Additionally, the cage aids in thermal management, maintains signal integrity, and minimizes interference. Our QSFP portfolio provides a simple upgrade path from 10 Gbps NRZ to 112Gbps PAM-4 — including four.



Article Content

OEM 100G QSFP28 & 200G QSFP56, QSFP-DD, CFP2

The 200G QSFP-DD optic, utilizing 8 lanes of 25G NRZ, provides excellent backward compatibility with legacy 100G QSFP28 ports and supports highly complex 8x25G high-density server breakout ...

Optical Transceivers | Network Solutions for AI Cluster, HPC

How to Interconnect OSFP and QSFP-DD Ports for 400G/800G Networks? This article explores how to interconnect OSFP and QSFP-DD ports in 400G/800G networks, covering key principles, form factor ...

QSFP-DD Optical Transceivers for High-Speed Connections

Network operators are looking for cost-optimized optical solutions that provide increased density and reduced power consumption—across high-speed as well as legacy ports—without sacrificing ...

QSFP Connector System

Offer low insertion loss and cross talk plus excellent electromagnetic interference (EMI) containment.

QSFP Connectors/Cages/ Cable Assemblies

The QSFP-DD passive copper cable assembly includes eight differential copper pairs, providing four data transmission channels with speeds up to 56 Gbps (PAM4) per channel. It ...

QSFP Connectors: QSFP+, zQSFP+ (QSFP28/56) and QSFP 112G

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 ...

QSFP-DD Connectors | High Speed I/O | Amphenol

Designed for optimized performance, cost and high-volume manufacturability, it supports multiple connector/heat-sink configurations, and full support for passive copper, active copper and ...

Comprehensive Guide to QSFP - MapYourTech

QSFP modules utilize a high-density card-edge connector providing both high-speed differential data lanes and low-speed control/monitoring signals. The original QSFP+ employs a 38 ...

The Ultimate Guide to QSFP Cables | Types, Benefits & Installation

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 ...

QSFP Cables Explained 2025: Types, DAC vs AOC, and DC Use Cases

This guide explains everything you need to know about QSFP cables: their types, how they work, when to choose DAC vs AOC, and how to ensure compatibility in your environment.

Contact Us

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