

Zambian GPON Equipment QSFP-DD



Overview

QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. QSFP-DD extends the use. Cisco QSFP-DD and OSFP 800G ZR/ZR+ digital coherent optics modules enable 800G traffic over amplified Dense Wavelength-Division Multiplexing (DWDM) links up to 120 km for 800ZR and over 1000 km for 800G ZR+. 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. The QSFP-DD transceiver has become the standard format for 400G and 800G connections because it delivers backward compatibility and high port density and future-proofing protection which most installations need. The guide provides complete information required for successful QSFP-DD transceiver. An array of SFP and QSFP available through our supply chain :- There are several types of QSFP transceivers available, including QSFP28, QSFP56, QSFP-DD (Double Density), and QSFP-DD800 (800 Gbps). Each type has different speed, distance, and power consumption characteristics, and is designed to.



Article Content

Feb 22, 2026

Cisco 100GBASE QSFP-DD 100G ZR Module Data Sheet

Product overview The Cisco 100G Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) 100G ZR provides customers with a 100 Gigabit Ethernet ZR connectivity option for data centers,

Jul 14, 2025

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

Aug 28, 2025

Comprehensive Guide to QSFP – MapYourTech

Service providers are deploying coherent QSFP-DD modules directly in routers, eliminating separate transponder equipment. This architecture reduces

Oct 29, 2025

ZTE unveils industry's highest-densit...

Compared with QSFP optical modules, its volume is reduced by 30%, while providing symmetrical 50Gbps bandwidth. Robust Compatibility, Seamless

Apr 16, 2026

Transceivers SFP – GPON Network

There are several types of QSFP transceivers available, including QSFP28, QSFP56, QSFP-DD (Double Density), and QSFP-DD800 (800 Gbps). Each type

Jan 11, 2026

Cisco 400G QSFP-DD Cable and Transceiver Modules

Product overview The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the

Dec 13, 2025

200G QSFP-DD SR8 Optical Transceiver Module_XGSPON GPON

The 200G-QSFP-DD-SR8 NRZ 100m optical transceiver (GQD-MPO201-DSR4C) is designed for 2x 100GBASE-SR4 Ethernet links reach up to 70m (OM3) or 100m (OM4) over Multi-Mode Fiber

Sep 11, 2025

The Ultimate Guide to QSFP Cables

SFP vs. SFP+ vs. QSFP Key Differences Choosing the right high-speed interconnect is a critical step in any data center or telecom deployment.

May 22, 2026

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

These digital coherent optics modules enable 800G traffic over amplified DWDM links up to 120 km for 800ZR and over 1000 km for 800G ZR+.

Sep 10, 2025

QSFP-DD Optical Module Overview: What is the differ?

QSFP-DD technology increases the bandwidth and maximum transmission rate of the module based on the appearance of the QSFP system.

Apr 04, 2026

QSFP-DD TRANSCEIVERS for 400G and 800G

Two efficient and compact solutions tailored for 400G QSFP-DD breakout are the DCP 404 muxponder and the DCP-1203 transponder. A single 400G QSFP-DD

Aug 19, 2025

QSFP-DD Optical form factor: An evolutionary approach

QSFP-DD: Crossing the Chasm QSFP-DD has been designed to meet all of the market needs and optimized system designs for 400 GbE in order

Aug 21, 2025

QSFP-DD Transceiver Guide 2026: Complete 400G/800G Deployment

Master QSFP-DD transceiver deployment for 400G/800G networks. Compare module types (SR8/DR4/FR4/LR4), cable options, pricing, and implementation best practices.

Apr 01, 2026

Cisco QSFP-DD800 Transceiver Modules Data Sheet

For more information and references on QSFP-DD cable guides, please click on the following link: [Cisco Transceiver Modules - Brochures - Cisco](#)

Mar 09, 2026

Cisco 400G QSFP-DD High-Power (Bright) Optical

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of

Nov 03, 2025

Modern Form Factors for 200G/400G Networks (QSFP

A key tenant of the scalability of QSFP-DD transceivers is that they are also backwards compatible with its predecessors. Already deployed QSFP+

Oct 18, 2025

Cisco QSFP-DD800 Transceiver Modules Data Sheet

Product overview The Cisco QSFP-DD800 modules introduce 8x100G and 2x400GGBASE Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) modules, offering customers super-high-density

Mar 30, 2026

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

The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the rear interface. This interconnect

Jun 13, 2026

50GPON OLT QSFP DD Optical Transceiver Module

Superxon 50GPON Triple OLT transceivers, compliant with QSFPDD MSA, support single-fiber bi-directional data links with multiple TX and RX rates: 49.7664Gbps,

Jul 24, 2025

400G OSFP/QSFP-DD/QSFP112 Module Introduction and Selection

This article explores the technical characteristics, product lineup, and use cases of 400G OSFP/QSFP-DD/QSFP112 modules to choose the most suitable 400G solution for your data centers.

May 18, 2026

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

They expand Cisco routed optical networking applications to include 800G links and are compatible with Cisco and third-party 800G-capable routers,

Oct 22, 2025

QSFP-DD Optical Transceivers – MapYourTech

QSFP-DD is an advanced hot-pluggable optical transceiver form factor that doubles the bandwidth density of traditional QSFP28 modules by

Mar 10, 2026

What is 400G QSFP-DD: Features and Benefits Explained

Learn about 400G QSFP-DD transceivers, specs, benefits, and compatibility in networking and data centers.

Oct 31, 2025

Specification – QSFP-DD

August 7, 2020 – QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER – Rev 5.1 July 11, 2019 – QSFP-DD Hardware Specification for QSFP

Jun 10, 2026

QSFP-DD Connectors, Cages and Cable Assemblies

QSFP-DD provides high-performance computing capability. The QSFP interconnects density is doubled with electrical interface, providing superior thermal and signal

Dec 21, 2025

400G QSFP-DD Cable and Transceiver Modules Data Sheet | FS

QSFP-DD to 4xQSFP28 cable assemblies are high performance, high bandwidth and cost effective interconnect solutions that support 400G standard applications with different data rates.

Feb 09, 2026

The Ultimate Guide to QSFP28-DD: Features, Benefits, and Applications

Discover QSFP28-DD (200G/400G) modules: features, benefits, and applications in data centers, AI/HPC, and telecom. Compare and learn how to choose the right.

Aug 05, 2025

Top 10 Optical Transceiver Manufacturers in the World (2026)

Sourcing optics for your data center? Discover the top 10 optical transceiver manufacturers in 2026. Compare global giants and factory-direct OEM alternatives.

Contact Us

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