

Gulf Region QSFP-DD Optical Modules

QSFP-DD



Overview

If you are looking to buy QSFP, QSFP28 or QSFP-DD modules in the UAE, this guide gives you everything needed to make the right decision — including compatibility tips, pricing, UAE delivery times, and why SFPS. AE is becoming the country's leading authority for optical. 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+. As the UAE accelerates its expansion in AI, cloud computing, hyperscale data centres, FTTH, and national digital infrastructure, the demand for 40G, 100G, 200G and 400G optical. QSFP-DD pricing creates significant challenges for buyers due to the extreme opacity of the market. Standard procurement guides list endless catalog numbers without valuable context, overwhelming engineers with technical specifications while completely obscuring actual market costs. This guide. This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD. It explains their technical differences, compatibility considerations, and ideal use cases to help readers choose the right module for enterprise and data center. QSFP DD, short for Quad Small Form-factor Pluggable Double Density, is a high-density optical transceiver form factor designed for high-speed networking applications. Compared with traditional QSFP modules, QSFP DD doubles the number of electrical lanes.

Article Content

Dec 31, 2025

QSFP-DD Optical Transceivers – MapYourTech

North America maintains the largest share of coherent QSFP-DD deployments, with significant adoption of 400G ZR+ modules for metro and

Jan 19, 2026

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

The QSFP-DD is the smallest 400G form factor optical module on the market today. It is also the optical module that offers the highest transmission

Sep 04, 2025

400G Optical Transceivers: What's the Difference Between OSFP and QSFP-DD?

Application Scenarios: Both QSFP-DD and OSFP are suitable for data center interconnect (DCI) scenarios, including direct attach copper cables (DAC), active optical cables (AOC), and fiber optic

Sep 06, 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

Nov 04, 2025

QSFP-DD Fibre Optic Transceiver Technology Overview

The QSFP-DD (Quad Small Form-factor Pluggable – Double Density) form-factor is used for 200G, 400G and 800G applications and is backward compatible with

Feb 12, 2026

NADDOD 400G QSFP-DD Coherent Modules: A Deep

NADDOD's 400G QSFP-DD DCO coherent module, housed in a QSFP-DD form factor, is designed to address a wide range of hyperscale data

Jul 23, 2025

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP-DD

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD. It explains their technical differences,

Mar 22, 2026

Exploring the Benefits and Applications of 800G QSFP-DD Optical Modules

Discover the benefits and applications of 800G QSFP-DD optical modules, a cutting-edge solution for high-speed data transmission. Learn about its features, including high-speed

Jun 13, 2026

QSFP-DD MSA Group releases optical transceiver form factor ...

The MSA formed in March 2016 to create a pluggable optical module that would support transmission rates greater than the 100-Gbps QSFP28 (see "QSFP-DD MSA targets 200G, 400G optical

Sep 28, 2025

QSFP DD Guide: High-Speed QSFP DD Optical Modules

In this comprehensive guide, we will explore how QSFP DD works, why it has become a preferred optical module standard, and how it is deployed in modern data centers.

Jan 13, 2026

Optics Transceiver Module Market 2025

Broadcom's recent acquisition of optical transceiver assets and Juniper Networks' expanded line of QSFP-DD modules exemplify strategic moves to capture this growing demand.

Dec 23, 2025

NVIDIA Optical Modules Buying Guide: QSFP-DD vs OSFP 800G

Comprehensive guide to NVIDIA optical modules covering QSFP-DD and OSFP 800G solutions. Learn about compatibility, deployment considerations, and technical specifications for

Jul 04, 2025

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

Cisco QSFP-DD and OSFP 800G coherent optical modules are supported on Cisco switches and routers. For more details, refer to the Cisco Transceiver Modules Compatibility Matrix.

Apr 28, 2026

DCI Optical Modules | Delivering high bandwidth over

Available for both C+L Band in QSFP-DD or OSFP, COLORZ 800 lowers the capital cost of DCI substantially compared to traditional systems.

May 20, 2026

Comparison of 400G QSFP-DD with other types of

Among the various 400G optical module form factors, QSFP-DD (Quad Small Form-factor Pluggable Double Density) has emerged as a leading

Jul 22, 2025

QSFP-DD Price Guide 2026: 400G/800G Costs & TCO Analysis

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year TCO analysis for data center buyers.

Nov 30, 2025

QSFP-DD Connector System

QSFP-DD Interconnect System's 8-lane electrical interface transmits 28G NRZ, 56G PAM-4 and 112G PAM-4, up to 200, 400 or 800 Gbps aggregate. Backwards

Dec 05, 2025

Comprehensive Guide to 400G/800G QSFP-DD Optical

From a technological perspective, both 400G and 800G QSFP-DD modules benefit from significant advancements. Silicon photonics has played a

Dec 02, 2025

Buy QSFP, QSFP28 & QSFP-DD in UAE | High-Speed

If you are looking to buy QSFP, QSFP28 or QSFP-DD modules in the UAE, this guide gives you everything needed to make the right decision — including

Mar 09, 2026

Arista QSFP-AMP-ZR-Arista | QSFP-DD Optical Amplifier for 400ZR

The Arista QSFP-AMP-ZR-Arista is a pluggable EDFA optical amplifier module designed for Arista's ZR Line System. This QSFP-DD form factor amplifier extends the reach of 400ZR coherent modules

Contact Us

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