

Gulf Region Tunable Optical Module QSFP



Overview

Supporting 40km unamplified or 120km amplified over single-mode fiber with tunable C-Band channels (Ch. 13-61), this module delivers 10 dB link budget at 425 Gbps with built-in DSP. LC/UPC duplex for coherent network applications. 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+. Click to get your 40G QSFP+ transceiver modules from nearby warehouses. Trusted by 260K+. Whether you're powering G42, Khazna, Moro Hub, Etisalat, du, ADNOC, banks, smart cities or enterprise networks, choosing the right QSFP modules is critical for performance, stability and long-term scalability. If you are looking to buy QSFP, QSFP28 or QSFP-DD modules in the UAE, this guide gives. 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 TQD011-TUNC-SO is an QSFP-DD form-factor (type 2a) DWDM transceiver for coherent 100Gbps Ethernet applications. having QSFP-DD support but where the services are limited to 100Gbps.



Article Content

May 04, 2026

QSFP-DD Product Family » Acacia

Bright 400ZR+ QSFP-DD Pluggable Coherent Optical Module Metro/regional | Service provider ROADM networks Key Features High optical transmitter output

Jun 03, 2026

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 24, 2025

Key Drivers for Marine Foam Life Jacket Market Growth: Projections

The primary causal factor for this growth trajectory is the escalating demand for 400G and 800G coherent optical modules, specifically the CFP2-DCO, QSFP-DD, and OSFP variants, which

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

This article will introduce the next generation optical module in detail, QSFP-DD, also known as quad small factor pluggable, and this article will also

Jan 28, 2026

What is QSFP & QSFP+ Transceiver: An Ultimate Guide

QSFP DAC: Direct attach copper cable with QSFP+ module on both ends, mainly for very short interconnectivity, like between adjacent switches or

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QSFP-DD Optical Transceivers for High-Speed

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and

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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.

Oct 30, 2025

The Ultimate Guide to Cisco QSFP Optical Transceiver

Without a doubt, in high-speed networking environments, Cisco QSFP (Quad Small Form-Factor Pluggable) optical transceiver modules are essential.

Jan 26, 2026

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

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

Dec 01, 2025

QSFP Optical Module Wiki

QSFP, full name Quad Small Form-factor Pluggable, four-channel small form-factor pluggable optical module with four independent full-duplex

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QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing

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QSFP, QSFP+, and QSFP28: What You Need to Know

If you're looking for the most advanced optical module package on the market, look no further than QSFP. QSFP+ and QSFP28 are the two latest

Sep 05, 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.

Oct 21, 2025

400G ZR Coherent QSFP-DD DCO | Tunable | EDGEOPTIC

Our EDGEOPTIC 400G-QDD-DCO-ZR is a multi-vendor compatible 400G ZR coherent QSFP-DD DCO (Digital Coherent Optics) transceiver module designed for long-haul 400 Gigabit Ethernet

Jun 18, 2026

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

May 31, 2026

The Ultimate Guide to QSFP Cables

Explore the ultimate guide to QSFP cables. Learn QSFP types, differences from SFP, installation methods, and benefits for high-speed data

Oct 24, 2025

QSFP28 100ZR Coherent Tunable DWDM Transceivers

The QSFP28 100ZR Coherent Tunable DWDM Transceiver is suited to provide Access/Edge networks with 100G data rates in DWDM or grey links

Aug 29, 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

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Detailed Explanation of QSFP Optical Module Packaging

QSFP Package Fundamentals QSFP, short for Quad Small Form-factor Pluggable, is a four-channel small form-factor pluggable package, initially introduced by the

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The Big Differences Between SFP, SFP+, SFP28,

Delve deep into the world of optical modules. From SFP to the latest QSFP-DD, explore their differences, applications, and what to consider for your

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QSFP-DD 100G DWDM Coh Tunable SM 450km, CMIS5.0 LC

The TQD011-TUNC-SO is an QSFP-DD form-factor (type 2a) DWDM transceiver for coherent 100Gbps Ethernet applications. The transceiver is intended for use in interconnect applications between data

Dec 10, 2025

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications.

Sep 14, 2025

100G Coherent QSFP28 C-band Tunable 80km DCO Transceiver

Digital Coherent Optics module, hot-pluggable QSFP28 form factor. Transmission reach: Up to 80km unamplified (loss limited) Up to 120km amplified (dispersion limited, optionally extendable to 300km)

Sep 26, 2025

QSFP+ Transceiver: What You Need to Know?

Part 1. What is a QSFP+ Transceiver? A QSFP+ (Quad Small Form-Factor Pluggable Plus) transceiver is a high-speed optical communication module

Feb 18, 2026

Optics Transceiver Module Market 2025

This market research report provides a comprehensive analysis of the Global and regional Optics Transceiver Module markets, covering the forecast period 2025–2032. It offers detailed insights into

Sep 28, 2025

Optical Transceiver Buying Guide: SFP/QSFP Explained for

Introduction: Why Optical Transceiver Modules Matter in Modern Networks In today's hyper-connected world, the backbone of any robust network infrastructure relies heavily on high

Sep 04, 2025

100G QSFP28 Optical Module Selection Guide: Medium to Long

This article tells you how to choose 100G QSFP28 modules for medium and long transmission distances, as well as the advantages of QSFP28 modules and why you should choose it.

Oct 12, 2025

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

Browse optical transceivers from Pivotal Optics including SFP, SFP28, QSFP28 & QSFP-DD modules. 1G to 400G solutions for data centers & networks. Shop now!

Jan 29, 2026

SFP vs QSFP: The Definitive Technical and Strategic Guide

Click here to read more about the SFP and QSFP Modules – fiberoptic.is What Makes SFP and QSFP Architecturally Different? More than any other technical specification, optical

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