

OEM QSFP-DD optical module 1 6T



Overview

The WaveLogic™ 6 Extreme (WL6e) 2 x 1.6T 8 x QSFP-DD/QSFP-DD800 Module introduces the industry's first 1.6 Tb/s coherent technology to the Waveserver® platform, enabling unmatched performance and spectral efficiency. 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+. 6T transceivers firmware supports CMIS 5. It delivers an always-on, wire-speed encryption solution, without impacting performance or adding. The MTRO-D5F8CB Transceiver is a high performance, cost effective module for optical data communication applications supporting 1. CopyRight © 2023-2024. QSFP-DD pricing creates significant challenges for buyers due to the extreme opacity of the market. This guide. Browse optical transceivers from Pivotal Optics including SFP, SFP28, QSFP28 & QSFP-DD modules.



Article Content

Jan 02, 2026

QSFP-DD TRANSCEIVERS for 400G and 800G

Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking. QSFP-DD (Quad Small Form-Factor Pluggable Double Density)

Oct 12, 2025

Cisco Compatible SFP List 2026: Architect's Selection Guide

A Cisco compatible SFP list 2026 represents a validated inventory of optical transceivers that utilize Multi-Source Agreement (MSA) standards to provide identical functionality to Cisco

Oct 02, 2025

Pluggable Optical Module Market Research Report 2034

Key Takeaways: Pluggable Optical Module Market Global pluggable optical module market valued at \$9.8 billion in 2025 Expected to reach \$26.4 billion by 2034 at a CAGR of 11.6% QSFP+ type held

Jun 14, 2026

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

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

Apr 05, 2026

Specification - QSFP-DD

July 11, 2019 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER - Rev 5.0 May 8, 2019 - Common Management Interface

Dec 22, 2025

What Are Optical Transceiver Modules Used For?

Discover real-world applications of optical transceiver modules across data centers, telecom, and enterprise networks. Learn what they do and how to choose.

Mar 06, 2026

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

By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each transceiver undergoes rigorous testing and comes supported by a Limited

Aug 23, 2025

1.6T-DR8 OSFP Optical Transceivers

FTCF2519E1PCM is a 1.6T-DR8 OSFP transceiver module. The transceivers are compliant with the OSFP MSA with dual MPO-12 interface, 8x200G PAM4 IEEE

Apr 26, 2026

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

Direct OEM/ODM manufacturer of 100G/200G transceivers for AI clusters & hyperscale cloud. 100% tested 100G QSFP28, 200G QSFP56, QSFP-DD & CFP2 solutions.

Feb 21, 2026

200g ethernet network adapter,Supplier-Fibermall

MPO Patch Cables 200G/400G/800G/1.6T Modules Coherent Transceivers 1.6T OSFP/OSFP-XD 800G QSFP-DD800/OSFP 400G QSFP-DD 400G QSFP112

Oct 12, 2025

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Fiber Optical Cable OM3 Duplex OM5 Duplex OS2 Simplex MPO-MPO Extension QSA (40G/100G) SFP+/QSFP Extension Loopback SFP+/SFP28 Loopback Fiber

Sep 02, 2025

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Sep 18, 2025

100G~1.6TB QSFP-DD/OSFP - Miljet

400G CFP2 DCO C-Band, 50-75GHz, OSNR 23.5dB, DDM, LC/UPC Duplex, Single Mode, Digital Coherent Optical Pluggable Transceiver Module 400Gbps

Apr 11, 2026

SFP Optical Transceivers: How Pluggable Optics Are Reshaping

Compared to older GBIC (Gigabit Interface Converter) modules that preceded them, SFP transceivers occupy roughly half the physical space while delivering equal or superior performance.

Jun 11, 2026

100G to 1.6T Optical Module PHY Product Selection Guide

Broadcom's Active Copper PHY portfolio enables DAC cable providers to build very low insertion-loss profile, ultra-low latency, ultra-low power cables for 100G/400G/800G/1.6T hyperscale/AI networks

Oct 28, 2025

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

Mar 26, 2026

QSFP-DD-Preisliste 2026: Kosten

Preisübersicht für QSFP-DD mit Kosten für 400G/800G-Module, Vergleich von OEM- und Drittanbieterprodukten, Mengenrabatten und einer 3-Jahres-TCO-Analyse für Käufer von

Jul 17, 2025

How to Test Optical Transceiver Modules: Methods, Metrics & Best ...

Learn how to test optical transceiver modules using power meters, BERT testers, and DDM tools. Ensure compatibility, performance, and reliability in data center and enterprise networks.

Mar 09, 2026

Charting the Path Toward 1.6T and 3.2T Optical Module

For example, a variety of optical transceivers are supported within the QSFP-DD form factor, including 400GBASE-SR8, 400GBASE-DR4, 400GBASE-FR4,

Sep 03, 2025

800G Client Optics in the Data Center

The QSFP-DD specification was expanded in 2021 to support 800G applications, using 100G PAM4 lanes (QSFP-DD800), and increased maximum module power dissipation, with products supporting

Sep 25, 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.

Oct 18, 2025

genuine optics-world leading optical transceiver

About Company : Genuine Optics is world-leading optical transceiver provider. The company is registered in San Jose, California, with new buildout manufactory in

Dec 08, 2025

WaveLogic 6 Extreme 2 x 1.6T 8 x QSFP-DD/ QSFP-DD800 Module

The WaveLogic™ 6 Extreme (WL6e) 2 x 1.6T 8 x QSFP-DD/QSFP-DD800 Module introduces the industry's first 1.6 Tb/s coherent technology to the Waveserver® platform, enabling unmatched

Oct 30, 2025

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

Jan 29, 2026

1.6T high-speed optical module

Genuine Optics 's 1.6T high speed optical module products use in-house silicon photonics chips.

Contact Us

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