Ivory Coast Retail QSFP-DD Optical Module PAM4



Overview

400G-LR4 QSFP56-DD based on EML, 8 channels of 50G-PAM4 electrical and 4 channels of 100G-PAM4 optical parallel lanes,duplex LC connector, 10km maximum reach via single mode fiber,case temperature range of 0℃-70℃, comply with IEEE 802. 3df-2024 protocol and 400GAUI-8 standard. The 400 Gigabit Ethernet signal is carried over four parallel lanes by one wavelength per lane. View our full range of high-speed. When this type of optical module is used to interconnect with WDM equipment, the protection switching time of WDM client-side 1+1 protection is greater than 50 ms. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. When combined with higher transmission rates per electrical interface (28 Gbps to 56 Gbps to 112 Gbps), QSFP-DD optical transceivers can. dule retimed interface (see IEEE 802. Each optical lane is. QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a new modular connector system that utilizes a dual-density, four-channel, small, hot-swappable optical module package.



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Article Content

Dec 21, 2025

400G PAM4 QSFP-DD DR4/DR4+/ 4xLR1 Optical Transceiver

The optical transceiver supports a full QSFP-DD-compliant set of control, alarm, and monitoring features through a standard I2C management interface, as well as low speed control pins which support

May 16, 2026

800GBASE-DR8 QSFP-DD PAM4 1310nm 500m DOM

The 800GBASE-DR8 QSFP-DD Optical Transceiver Module is designed for 800GBASE Ethernet throughput up to 500m over singlemode fiber (SMF) with

Mar 04, 2026

QSFP-DD modules

Quad Small Form-Factor Pluggable Double-Density products provide up to 400 Gb/s of data bandwidth. QSFP-DD builds on the existing QSFP physical form-factor to provide 50Gb/s bandwidth per channel

May 24, 2026

400G QSFP-DD Transceiver Types

Complete guide to 400G QSFP-DD transceiver types, PAM4 encoding, wavelengths, and specifications. Compare SR8, DR4, FR4, LR4, LR8, ER4 modules.

Apr 08, 2026

QSFP-DD 400G SR4 Optical Module: The New Choice

FS QSFP-DD 400G SR4 Optical Module Introduction FS''s newly launched 400G QSFP-DD SR4 module boasts an advanced design that

Jan 10, 2026

Detailed Explanation of QSFP Optical Module Packaging

Detailed explanation of QSFP optical module packaging, covering specifications, rate enhancements, and compatibility of QSFP+, QSFP28, QSFP56, QSFP112, and

Nov 13, 2025

NVIDIA/Mellanox Compatible 400GBASE-DR4 QSFP

NVIDIA/Mellanox Compatible Compatible 400GBASE-DR4 QSFP-DD PAM4 1310nm 500m DOM Silicon Photonics Ethernet Transceiver Module (SMF, 1310nm,

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Dec 09, 2025

Cisco Compatible 400GBASE-SR4 QSFP-DD PAM4 850nm 50m

The 400GBASE-SR4 module, MTP/MPO-12 connector, up to 50m over parallel OM4 multi-mode fibre. It is compliant to IEEE 802.3df-2024 protocol and 400GAUI-8 standard.

Dec 24, 2025

QSFP-DD Optical Module Wiki

QSFP-DD supports 50Gb/s PAM4 electrical modulation format, which increases the port rate by a factor of 4 compared to QSFP28 modules. QSFP-DD and QSFP28/QSFP56 systems have

Dec 22, 2025

400G-QSFP56-DD-AI and Data Center Networking

These products feature eight channels of 50G PAM4 electrical signals and eight channels of 50G PAM4 optical signals, with a transmission distance of up to

Oct 04, 2025

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

Mar 25, 2026

400G XDR4 QSFP-DD | Broadex Technologies

8*53.125Gbps (PAM4) electrical interface (400GAUI-8), 4*106.25Gbps (PAM4) optical interface (1*12 APCMPO) Up to 500m or 2km transmission on single

Jun 18, 2026

400Gbps QSFP-DD Optical Module

When this type of optical module is used to interconnect with WDM equipment, the protection switching time of WDM client-side 1+1 protection is greater than 50 ms. When the board is used for 40 km

Sep 05, 2025

QSFP-DD Optical Transceivers for High-Speed Connections

Cisco offers a comprehensive portfolio of QSFP-DD modules across copper, multimode fiber, and single-mode fiber, optimized for a broad range of applications and distances, leveraging NRZ, PAM4, and

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Aug 03, 2025

MMS1V00-WM NVIDIA compatible 400G QSFP-DD DR4 Module

MMS1V00-WM NVIDIA compatible MMS1V00-WM 400G QSFP-DD DR4 PAM4 1310nm 500m MTP/MPO SMF FEC Optical Transceiver Module - guaranteed compatibility.

Aug 16, 2025

Spec Sheet

The Active Optical Cable assemblies support 400G PAM4 applications and are available in standard lengths up to 100 meters including 1:2, 1:4 and 1:8 breakouts.

Apr 09, 2026

Overview of 400G QSFP-DD DR4 Optical Module and Connection

The 400G QSFP-DR4 optical module uses a 1310nm EML transmitter type, with signals modulated via PAM4 (Pulse Amplitude Modulation). It can transmit over single-mode fiber for

Aug 25, 2025

Generic QSFPDD-400G-SR8 Compatible 400Gbps

Dawnray''s QSFPDD-400G-SR8 optical transceiver is a parallel 400Gbps Quad Small Form-factor Pluggable - Double Density QSFP-DD module for use in 400GBASE

Nov 26, 2025

400G SR4.2 QSFP-DD Optical Transceiver Module 150m

The QSFP-DD 400G SR4.2 BiDi 850nm 908nm optical transceiver module meets the QSFP-DD MSA, RoHS-6, 400GAUI-8/PAM4, and IEEE 802.3 standards. This

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