

OSFP compatible with Mellanox optical modules



Overview

The NVIDIA/Mellanox Compatible OSFP optical transceiver module is designed for 400GBASE Ethernet throughput up to 50m link lengths over OM4 multimode fibre (MMF) using a wavelength of 850nm via MTP/MPO-12 APC connectors. Extreme Networks, as a leader in networking solutions, offers advanced QSFP-DD (Quad Small Form-factor Pluggable Double Density) and OSFP (Octal Small Form-factor Pluggable) optical modules that are becoming essential for meeting 400G and beyond bandwidth demands. With the rapid growth of cloud. Use the Compatibility Tool to verify FS transceiver compatibility with your device and access test reports. It integrates eight data lanes in each direction with 8x26. The length of OSFP 2xSR4 is up to 50 meters over OM4 MMF. 25Gbps PAM4 per direction over multimode fiber at 850nm, it delivers up to 60m transmission on OM3 and 100m on OM4.



Article Content

Oct 04, 2025

NVIDIA/Mellanox Compatible 800G SR8 OSFP PAM4

NVIDIA/Mellanox compatible OSFP-800G-SR8 optical transceiver is an 800Gb/s multi-mode Ethernet

Oct 17, 2025

NVIDIA/Mellanox MMS4X00-NS400 (980-9I31N-00NM00) Compatible OSFP

NADDOD NVIDIA/Mellanox MMS4X00-NS400 (980-9I31N-00NM00) OSFP-400G-DR4 is mainly used for OSFP port ConnectX-7

Mar 04, 2026

20m 66ft Mellanox Compatible 800G OSFP to OSFP Active Optical

The Mellanox compatible 800G OSFP AOC consists of a multimode fiber optic cable terminated with OSFP form factor modules at

Dec 09, 2025

NVIDIA/Mellanox Compatible 800G OSFP 2xFR4L 6km

NVIDIA/Mellanox Compatible 800G OSFP 2xFR4L optical transceiver for NVIDIA Spectrum-XGS supports

Mar 10, 2026

NVIDIA Optical Modules: QSFP-DD/OSFP 800G Solutions,

Explore NVIDIA's 800G optical modules with QSFP-DD and OSFP form factors. Learn about performance

Aug 25, 2025

How to Achieve Interconnection Between OSFP and QSFP-DD Ports?

With exponential traffic growth, hyperscale data centers must deploy multiple high-speed optical modules to meet

Feb 06, 2026

10GbE SFP+ MMF Optical Transceiver

The Mellanox® MFM1T02A-SR is a pluggable, SFP+ optical transceiver, designed for use in 10GbE Ethernet systems. The

Nov 08, 2025

Mellanox Compatible Transceivers DAC AOC

Compatibility with Mellanox All our Optical Transceivers, Direct Attach Copper (DAC) and Active Optical Cables (AOC) that have

Dec 03, 2025

MMA4Z00-NS400 400Gb/s Single-port OSFP 400Gb/s Multimode

Twin port OSFP transceiver using two, straight fiber cables can support up to two ConnectX-7/ OSFP adapters. Each of the two, 4

Jan 04, 2026

OSFP vs QSFP-DD Comparison | 800G Optical Module Form Factors

Detailed analysis of OSFP and QSFP-DD form factors for 800G optical modules. Compare specifications, thermal

Mar 20, 2026

NVIDIA MMS4X00-NS400 400Gb/s Single-port OSFP Single Mode

Introduction The NVIDIA MMS4X00-NS400 is an InfiniBand (IB) and Ethernet (ETH) 400Gb/s, Single-port, OSFP, DR4 single mode

May 16, 2026

LinkX Cables and Transceivers | NVIDIA

The product line consists of direct-attach cables (DAC) reaching up to 3 meters (m), linear active copper cables from 3m to 5m,

Apr 15, 2026

LinkX Active Optical Cables and Transceivers Overview

LinkX® Active Optical Cables and Transceivers Overview Mellanox LinkX optical cables and transceivers make 100Gb/s

Mar 05, 2026

NVIDIA/Mellanox MMS4A00-XM (980-9IAH1-00XM00) Compatible

This page describes a compatible NVIDIA/Mellanox MMS4A00-XM 1.6T 2xDR4/DR8 OSFP224 optical module with

Oct 12, 2025

NVIDIA/Mellanox Compatible 400GBASE-FR4 OSFP Finned Top

The NVIDIA/Mellanox Compatible OSFP optical transceiver module features a duplex LC connector and supports transmission up to

Mar 03, 2026

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable

Aug 16, 2025

Unlocking the Power of Mellanox QSFP28: Your

What is a Mellanox QSFP28 Optical Transceiver? Understanding the Basics of Transceiver

Mar 06, 2026

Understanding OSFP Modules: Your Guide to High-Speed Optical ...

Discover how OSFP modules provide high-speed optical connectivity for data center applications. Learn about the

Jul 23, 2026

Cisco Optics-to-Device Compatibility Matrix

Cisco Optics-to-Device Compatibility Matrix Comprehensive compatibility information for Cisco optical transceivers and network

Jul 10, 2026

OSFP1600_and_OSFP-XD

As a consequence of increasing the paddlecard thickness and the height of the module, OSFP-XD is not compatible with the existing

Oct 07, 2025

1.6T/800G InfiniBand XDR Transceivers/DACs In

The transceiver portfolio includes NVIDIA-compatible OSFP-1.6T-2xDR4H, OSFP-1.6T-2xFR4H (RHS &

Jul 20, 2026

Extreme Networks Optical Modules: QSFP-DD & OSFP

Explore Extreme Networks optical modules featuring QSFP-DD and OSFP solutions with

Jan 24, 2026

Extreme Networks Optical Modules: QSFP-DD/OSFP Deployment

Explore deployment trends for Extreme Networks QSFP-DD and OSFP optical modules. Learn about DDM

Mar 19, 2026

NVIDIA Optical Modules: QSFP-DD/OSFP 800G

Explore NVIDIA's advanced optical module solutions featuring QSFP-DD and OSFP form

Jan 12, 2026

800G OSFP Optical Transceiver Modules

NVIDIA/Mellanox MMS4X00-NM16 (980-9I30J-F4NM00) Compatible 800GBASE-DR8 OSFP IHS/Closed Finned Top PAM4 1310nm

May 31, 2026

NVIDIA/Mellanox Compatible 400GBASE-VSR4 OSFP Finned Top

The NVIDIA/Mellanox Compatible OSFP optical transceiver module is designed for 400GBASE Ethernet throughput up

Dec 19, 2025

NVIDIA/Mellanox Compatible 400G OSFP 2xSR4

NADDOD InfiniBand HDR OSFP-400G-2xSR4 is an Eight-Channel, Parallel, Pluggable, Fiber-Optic OSFP

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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