

Estonian-branded SFP optical module 16T



Overview

By doubling the number of electrical lanes from 8 to 16, the OSFP-XD offers 1.6T density with 16 lanes of 100 Gb/s and 3. Support 32-ports in 1RU and 64-ports in 2U chassis. This article explains how this new 1.6T optical module designed for next-generation data center. Eoptolink provides optical and electronic engineering services, we produce optical transceiver according to customer requirements and their applications. Pluggable optical transceiver modules are essential components in data communication systems, widely used as optical interconnects at the termination of fiber optic links. 5 Gbps PAM4 per lane for an aggregate data. Amphenol's 200G/lane optical modules support DR4, FR4, 2×DR4, 2×FR4, AOC, and breakout AOC configurations with LC or MPO ports, ideal for 800G/1.3, and OIF-CMIS standards, and RoHS compliant per EU directives 2011/65 and 2015/863.



Article Content

Oct 26, 2025

The Ultimate Guide to 1.6T Optical Modules for Next-Gen AI ...

The 1.6T optical module provides significant improvements in per-port bandwidth, per-bit power efficiency, and network density. Its closed finned-top design directs airflow through internal fins

Jul 12, 2025

The Ultimate Guide to 1G SFP Modules: What They Are

Explore the world of 1G SFP modules in our ultimate guide and discover why they're the key to faster, more reliable Ethernet networks.

Mar 10, 2026

SFP series

Description The OSFP-1.6T-2xDR4H is a cost-effective module with high performance, which is optimized for AI Datacenter, supporting data-rate of 8x212Gb/s PAM4 Optical interface and

Nov 24, 2025

Charting the Path Toward 1.6T and 3.2T Optical Module

The path to 1.6T and 3.2T Transitioning from 800G to 1.6T optical modules as AI workloads in data centers escalate will effectively double the bandwidth capacity

Oct 01, 2025

High-Speed Transceivers: 400G, 800G, and the Leap to

The 1.6T optical module represents the latest optical advancements, significantly enhancing data transmission speeds and capacity. It currently supports two form

Oct 01, 2025

Choosing the Right 1G SFP Transceivers for Your Network Upgrade

If you are considering upgrading your switches and are unsure how to select the right 1G SFP optical modules, this blog aims to provide practical guidance. It will assist you in choosing an

Mar 11, 2026

1.6T OSFP-XD DR8 2KM MPO-16 SMF Module | AscentOptics

Upgrade your network with our high-speed 1.6T OSFP-XD DR8 2KM MPO-16 SMF Transceivers. Enjoy seamless connectivity and superior performance - AscentOptics.

Jan 24, 2026

1.6T Transceivers Explained: Advantages, Types & FS

This article explains how this new 1.6T rate emerged, what the technical principles and key features of 1.6T optical modules are, the major

Jan 14, 2026

1.6T 2xDR4 TRO OSFP Transceiver Module | Lumentum

Each module integrates eight electrical and eight optical channels operating at 212.5 Gbps PAM4 per lane for an aggregate data rate of 1.6 Tbps. With integrated DSP

Nov 01, 2025

SFP series

Description The OSFP-1.6T-2xFR4H is an 1.6T 2x 800Gb/s Twin-port OSFP, 2x FR4 single mode, Multiplexed, 8-channel transceiver using two, 2-fiber, LC Duplex optical connectors

May 01, 2026

1.6T-DR8 - 1.6T OSFP224 500m Transceiver

1.6Tbps OSFP224 optical transceiver module for short-reach high-performance connections - up to 500 meters Product Overview The 1.6T-DR8 OSFP224

Jun 21, 2026

1.6T OSFP-XD: Next-Gen Data Center Optical Module

The 1.6T OSFP-XD DR8 optical module features low power consumption, high density, and hot-pluggable design, making it widely used in AI,

Mar 17, 2026

Eoptolink Launched 1.6T and 800G Optical Transceivers by Using

These modules can support a transmission distance of up to 2km and can be used for 1.6T point-to-point connectivity or 2x800G or 4x400G breakout applications. The OSFP and QSFP-D800 800G DR4,

Jan 26, 2026

Optical Modules Evolution and Innovation From 400G to 1.6T

Explore the evolution of optical modules in speed and form factors from 400G to 1.6T, stressing key enhancement technologies, and paths to achieving high-speed optical modules.

Oct 29, 2025

/ 1.6T Optical Transceivers

Fully compliant with OSFP MSA standards, our 1.6T modules are designed for high-performance applications in Ethernet networks, data centers, and cloud infrastructures.

Oct 01, 2025

What Is an SFP Module? Complete Guide

SFP modules, or Small Form-factor Pluggable modules, are essentially the workhorses of modern networking. They facilitate data

Sep 22, 2025

Top Optical Transceiver Manufacturers List (2024)

II-VI offers a complete line of optical modules for the market. These product lines cover the most commonly SFP and SFP+ optical modules. They

Mar 14, 2026

Charting the Path Toward 1.6T and 3.2T Optical Module Solutions

This architecture is similar to that of the 800G 2 × FR4, but this solution features eight high-speed MZMs operating at 200 Gbps, simplifying the design of 1.6T optical modules on an OSFP platform.

May 02, 2026

1.6T OSFP Transceivers | Optical Transceivers | Amphenol

Amphenol's 1.6T OSFP transceiver delivers 200G per lane to support advanced 800G and 1.6T Ethernet applications, enabling high-speed, high

Dec 19, 2025

1.6Tb/s Twin-port XDR OSFP 2xDR4 1310nm 500m Optical Transceiver

Description The OSFP-1.6T-2xDR4H is a cost-effective module with high performance, which is optimized for AI Datacenter, supporting data-rate of 8x212Gb/s PAM4 Optical interface and

Jan 06, 2026

1.6T-FR8 – 1.6T OSFP224 2km Transceiver

1.6Tbps OSFP224 optical transceiver for long-reach applications – up to 2km Product Overview The STC-1.6T-FR8 OSFP224 Optical Transceiver Module, utilizing silicon photonics and EML, features 8

Jul 17, 2025

OSFP-DR8-1.6T-FL Data Sheet | FS

Each fiber optical transceiver has been fully tested in FS Assured Program equipped with world's most advanced analytical equipment to ensure that our transceivers work perfectly on your device.

Mar 19, 2026

OSFP1600_and_OSFP-XD

The OSFP-XD (“eXtra Dense”) form factor was developed to meet this requirement. By doubling the number of electrical lanes from 8 to 16, the OSFP-XD offers 1.6T density with 16 lanes of 100 Gb/s

Contact Us

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