

# 1 6T optical module with 200G and 3-year warranty



## Overview

The module features 8 independent transmit and receive channels, each operating at 200Gb/s, supporting a total data transmission rate of up to 1.6Tb/s over single-mode fiber up to 500 meters. It complies with IEEE 802.6T “Octal Small Form-factor Pluggable”. 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. 6T-2×DR4H optical transceiver is fully compatible with NVIDIA/Mellanox MMS4A00-XM/MMS4C10-XM (980-9IAH1-00XM00/980-9IAU0-00XM01) and is purpose-built for next-generation InfiniBand XDR and high-speed Ethernet data center interconnect. Increased Demand for AI and HPC: As models grow larger and computational tasks become more distributed, these environments require optical interconnects that can deliver higher capacity and greater. SAXONBURG, PA, April 1, 2025 (GLOBE NEWSWIRE) – Coherent Corp. (NYSE: COHR), a global leader in photonics, will demonstrate a 1.6T-SR8 optical transceiver at OFC 2025.

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



The MTRO-D5F8CL is designed to operate in switch and router applications supporting OSFP MSA compliant traffic for up to 500m links.



With proven 200G/lane PHY and optics, Broadcom's 1.6T optical module solution is ideally suited for mass deployment in hyperscale data center and cloud networks.



Click to get your 1.6T/800G XDR optical modules and cables from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.



FiberMall OSFP-XD-1.6T DR8 transceiver is a high-performance optical module with a maximum transmission distance of 2 km, suitable for high-bandwidth requirements.



1.6T-DR8 OSFP224 LPO transceiver offers 8 channels of 200G-PAM4, 500m reach, and supports IEEE 802.3df, ideal for 1.6T Ethernet networks - AscentOptics.



Sate Optics offers 1.6T OSFP optical transceiver modules with 8x200G architecture, EML & silicon photonics options, compliant with IEEE802.3dj and OSFP MSA. Ideal for 1.6T Ethernet, AI/ML ...



Coherent will demonstrate a 1.6T-SR8 optical transceiver at OFC 2025. This transceiver incorporates advanced 200G vertical cavity surface emitting lasers (VCSELs) and photodiodes ...



The module features 8 independent transmit and receive channels, each operating at 200Gb/s, supporting a total data transmission rate of up to 1.6Tb/s over single-mode fiber up to 500 meters. ...



The NADDOD OSFP-1.6T-2xDR4H is specifically designed for connectivity between NVIDIA Quantum-X800 air-cooled switches, forming the optical foundation of InfiniBand XDR AI and HPC data center ...



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 module types involved, and the application ...

## Contact Us

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