

Manufacturers of 1.6T optical modules



Article Overview

Key manufacturers of 1.6T optical modules include Broadcom, Coherent, Eoptolink Technology, Accelink Technologies, Lumentum, and Genuine Optics.

Leading Manufacturers and Their Offerings

- **Broadcom:** A major player in high-speed optical modules, Broadcom provides 1.6T transceivers for data center and telecom applications, focusing on high-density and energy-efficient solutions .
- **Coherent:** Known for advanced photonics solutions, Coherent manufactures 1.6T optical modules suitable for AI, cloud, and HPC networks .
- **Eoptolink Technology:** Offers cost-effective 1.6T modules with support for OSFP and DR4 standards, targeting both short- and medium-reach applications .
- **Accelink Technologies:** Provides high-performance 1.6T optical modules with in-house silicon photonics chips, optimized for switch and router deployments .
- **Lumentum:** Their 1.6T 2×DR4 TRO OSFP transceivers integrate eight electrical and optical channels at 212.5 Gbps PAM4 per lane, supporting up to 500 meters over single-mode fiber, with low power consumption and CMIS 5.3 management .
- **Genuine Optics:** Offers MTRO-D5F8CB and MTRO-D5F8CL transceivers for 1.6T Ethernet, compliant with OSFP MSA standards, using in-house silicon photonics technology for high-speed optical communication .

Market Insights

The global 1.6T optical module market is growing rapidly, with Asia-Pacific, particularly China, leading in production and demand due to strong manufacturing c...

Article Content

1.6T 2×DR4 TRO OSFP Transceiver Module | Lumentum

With typical power consumption of only 16 W, CMIS 5.3 management, and dual MPO-16/APC interfaces, the 1.6T 2×DR4 TRO OSFP

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T

As of December 5, 2025, the market for high-speed datacom optical transceivers, specifically at the 800G and nascent 1.6T nodes,

1.6T Optical Module Market Research Report 2033

According to our latest research, the global 1.6T optical module market size reached USD 1.14 billion in 2024, driven by the surging

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

Product-Optical Transceiver-ACON OPTICS

Description The surge of AI and data-intensive workloads demands ultra-fast, energy-efficient connectivity. ACON OPTICS' 1.6T,

Global 1.6T Optical Module Market 2025 by Manufacturers, Regions,

Chapter 2, to profile the top manufacturers of 1.6T Optical Module, with price, sales quantity, revenue, and global market share of

1.6T OSFP224 Optical Transceiver Modules | AscentOptics

OSFP224 1.6T transceivers support CMIS 5.0+, with DR8, DR8+, and 2xFR4 interfaces. Integrated optical engines deliver high

1.6T high-speed optical module

The MTRO-D5F8CB Transceiver is a high performance, cost effective module for optical data communication applications supporting

The Future of 800G Optical Modules: Market Forecast and Key

The 800Gb and beyond connectivity conundrum The global demand for high-speed optical modules is accelerating,

100G to 1.6T Optical Module PHY Product Selection Guide

100G to 1.6T Optical Module PHY Product Selection Guide Broadcom's Optical Module PHY portfolio spans multiple technology

1.6T Optical Module Market Report: Trends and Growth

Explore the booming 1.6T Optical Module market, valued at \$15.44 billion in 2025 with an 11.1% CAGR. Discover key drivers like AI

Powering the Next Data Race: How 800G & 1.6T Optical Modules Are ...

Powering the Next Data Race: How 800G & 1.6T Optical Modules Are Reshaping AI and Cloud Infrastructure Original

USI | USI to Launch Next-Generation 1.6T Optical Module Targeting

USI, a global leader in electronic design and manufacturing services, announced its upcoming release of a next

1.6T Transceivers Explained: Advantages, Types & FS Solution

Explore the evolution of 1.6T optical transceivers, including their working principles, key technologies, module types,

Global 1.6T Optical Transceiver Market Research Report 2025(Status

Global 1.6T Optical Transceiver Market: Market Segmentation Analysis The research report includes specific segments by region

Global 1.6T Optical Module Market 2026 by Manufacturers, Regions,

According to our (Global Info Research) latest study, the global 1.6T Optical Module market size was valued at US\$

1.6T Transceiver Market Trends for AI & HPC Networks

Explore the latest 1.6T Transceiver market trends driven by AI, HPC, and hyperscale cloud computing. This article

Market Insights: 800G & 1.6T Silicon Photonics Optical Modules

Explore the transition from 800G to 1.6T transceiver technologies with NADDOD's market insights. Understand how

4-3-2 Global Optical Module Dominant Players: Marvell, Lumentum,

Currently, the global high-end optical communication DSP market is virtually monopolized by a duopoly: Marvell (after

1.6T Optical Transceiver Modules | AscentOptics

1.6T transceiver is High-speed, advanced module for rapid data transfer in data centers, telecom networks, and modern applications

1.6 Tbps Optical Modules

MACOM delivers industry widest portfolio of chip-sets for 1.6Tbps DR8 and 2xFR4 as well as 800Gbps DR4/FR4 optical modules

1.6T Optical Module

The European market for 1.6T Optical Module was valued at \$ million in 2025 and is projected to total US\$ million by

Genuine Optics Unveils Groundbreaking 1.6T AEC & ACC Copper

Powering AI Factories with Unmatched Energy Efficiency and Cost Performance San Francisco, CA - [April 1,2025] -

Marvell Demonstrates Silicon Photonics Light Engine for Low-power,

For 1.6T pluggable applications, the light engine provides flexibility and accelerated time-to-market for both

1.6T Modules: What Is Pushing Modules' Bandwidth Toward 1.6T?

The emergence of 1.6T optical modules addresses these needs and represents a significant leap in both

High-Speed Optical Transceiver Manufacturer | TXOETECH

Leading manufacturer of 1.6T, 800G, 400G optical transceivers for AI infrastructure and data centers. NVIDIA Quantum-X800/X1600

1.6T Optical Module: High-Speed Data Solutions

Find top 1.6T optical modules with QSFP-DD, PAM4, and 1310nm wavelength. Compare prices, MOQs, and supplier

Understanding 1.6T Transceivers: The Next Generation in Optical ...

Understanding 1.6T Transceivers: The Next Generation in Optical Networking The demand for faster, more efficient

The Evolution of Optical Modules: 400G → 800G → 1.6T - A Strategic ...

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and

Contact Us

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

Website: <https://www.sdesign.net.pl>

Email: sales@sdesign.net.pl

Phone: +48 694 237 815

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

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