

Latest News on High-Speed Optical Modules



Overview

Transimpedance amplifiers (TIAs) are one of the unsung heroes of the cloud and AI era. At the recent OFC 2025 event in San Francisco, exhibitors demonstrated the latest progress on 1.6T optical modules featuring Marvell 200G TIAs. Kyocera Corporation (President: Hideo Tanimoto, hereinafter "Kyocera") is pleased to announce the development of a pluggable optoelectronic module (OSFP-XD*1) supporting the PCIe®*2 6.0 standard as a new product in its OPTINITY® optoelectronic module series, which contributes to optical. SAXONBURG, PA, September 28, 2025 (GLOBE NEWSWIRE) – Coherent Corp. (NYSE: COHR), a global leader in photonics, announced today that it will showcase its latest innovations in next-generation optical communications at ECOC 2025, taking place September 29-October 1 at the Bella Center in Copenhagen. Pluggable optical transceiver modules are essential components in data communication systems, widely used as optical interconnects at the termination of fiber optic links. These modules perform the critical function of converting electrical signals into optical signals, and vice versa. Recognized by multiple hyperscalers for its superior performance. From March 30th to April 3rd, 2025, OFC 2025 was held at the Moscone Center in San Francisco, USA. Dexerials exhibited at this global event under the theme.



Article Content

Hot

Strategic Trends in High Speed Optical Modules Market 2026-2034

Explore the dynamic High Speed Optical Modules market, projected to reach \$14.6 billion in 2024 with a 14.2% CAGR. Discover drivers like Cloud Services, AI, and 800G, alongside regional

Dec 03, 2025 Hot

Co-packaged optics can supercharge generative AI computing

Optical fibers carry voice and data at high speeds across long distances, and IBM Research scientists are bringing this speed

Jun 21, 2026 Hot

High-Speed Optical Module Demand Soars: AI

Discovering the intersection of AI computing and escalating market trends, the reliance on optical modules has surged. From high-scale

Jan 15, 2026 Hot

Advancing Optics with a Hybrid Route to TIAs

Transimpedance amplifiers (TIAs) are one of the unsung heroes of the cloud and AI era. At the recent OFC 2025 event in San Francisco, exhibitors

Apr 23, 2026 Hot

LightCounting Predicts High-Speed Growth in The

Suddenly, predictions for the demand in 2024 surged. The 4x100G and 8x100G optical modules are in high demand. As shown in the graph below,

Feb 19, 2026 Hot

ITPro Today, Network Computing, IoT World Today combine

Our news writers and editors remain dedicated to delivering high-quality coverage of a wide range of topics important to IT professionals on TechTarget . While the ITPro Today,

Jan 29, 2026 Hot

The latest products for diode lasers in 2024 | Electro Optics

Omicron-Laserage offers laser diode modules from 355 to 2500nm, with high-speed modulation capability up to 350MHz analog and 500 MHz digital, picosecond pulsed diode lasers, laser

May 15, 2026 Hot

Over 20 Million 400G & 800G Datacom Optical Module

Additional 3Q24 Optical Component Report Findings: The high-speed datacom optical market size is expected to expand from about \$9 billion in 2024

May 05, 2026 Hot

[OFC 2025 Exhibition Report] Dexerials'' New Optical

At OFC 2025, Dexerials publicly exhibited its newly developed Waveguide-Type High-Speed Photo Detector for the first time.

Mar 10, 2026 Hot

AOI Leads Industry with 1.6T OSFP DR8 LPO Technology at ECOC

Company to demonstrate high-speed connectivity with the Optical Internetworking Forum SUGAR LAND, Texas, Sept. 24, 2024 (GLOBE NEWSWIRE) -- Applied Optoelectronics Inc. ("AOI")

Jan 18, 2026 Hot

Out now: the Apr/May 2026 issue of Electro Optics: photonics funding ...

The latest issue of Electro Optics zooms in on a sector in flux. From UK funding shake-ups and AI-driven demand to quantum and biophotonics breakthroughs, this edition explores how light-based

Sep 02, 2025 Hot

Coherent Showcases Next-Generation Optical

Leveraging Coherent's state-of-the-art glass molding platform, the new 2D lens array enables wafer-level manufacturing that delivers

Apr 27, 2026 Hot

Photonics Online: The latest news, products, and

Optical Coherence Tomography Advances in OCT using SWIR wavelengths and high-speed linescan cameras enable deeper, faster 3D tissue imaging, improving

Oct 19, 2025 Hot

OFC 2025: The Future of Optical Connections

San Francisco — At last year's OFC 2024, the next speed of optical connections (1.6T) was all talk with one exception. In a back room, Keysight

Mar 19, 2026 Hot

Latest Optics & Photonics News

Read the latest News for the Optics & Photonics Industry.

Jun 24, 2026 Hot

Tower Semiconductor Teams with NVIDIA to Advance

Home » Press Releases Tower Semiconductor Teams with NVIDIA to Advance AI Infrastructure with 1.6T Data Center Optical Modules Tower's

Nov 30, 2025 Hot

Silicon photonics and co-packaged optics at the heart of

In addition to the silicon photonics market report, Co-Packaged Optics for Data Centers 2025 examines how packaging innovation is transforming next

Apr 29, 2026 Hot

VIAVI Solutions | Network Test, Monitoring, and Assurance

Our test, monitoring, assurance, and resilient position, navigation and timing solutions enable and secure critical infrastructure ranging from data center

Jul 04, 2025 Hot

AOI Leads Industry with 1.6T OSFP DR8 LPO

Company to demonstrate high-speed connectivity with the Optical Networking Forum SUGAR LAND, Texas, Sept. 24, 2024 (GLOBE

Sep 22, 2025 Hot

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

As optical modules proliferate in data centers, the benefits of silicon photonics will be amplified, making high-speed optics more widely available in the market.

Mar 25, 2026 Hot

Taitien Electronics Introduces Ultra Low Jitter Crystal

Upgrade your network infrastructure with Taitien's ultra-low jitter, high-frequency crystal oscillators for PAM4 type optical module designs in data

Apr 29, 2026 Hot

EG Industries unit bags RM949mil order for optical modules, wireless ...

KUALA LUMPUR: EG Industries Bhd said its wholly-owned subsidiary SMT Technologies Sdn Bhd has secured an order for US\$241.6mil (RM949.18mil) of high-speed 800G optical modules

Sep 29, 2025 Hot

Kyocera Develops Pluggable Optoelectronic Module

With this latest development, by advancing the communication standard to PCIe® 6.0, Kyocera has achieved a new level of high-speed, high

Oct 22, 2025 Hot

AI drives ramp-up in datacom optics - report

Total shipments of leading-edge datacom optical modules are projected to tally over US\$9 billion for 2024, according to the latest Optical

Sep 30, 2025 Hot

[SMM Tin News Flash: Institution: Micro LED CPO Optical Transceiver ...

According to TrendForce's latest Micro LED industry research, generative AI is driving a rapid climb in demand for high-speed optical communications.

Nov 08, 2025 Hot

Vishay Introduces Thin Film Submount Platform for Next-Gen Optical

Vishay Intertechnology, Inc. has introduced a thin-film submount platform for high-speed data communication systems, RF modules, and advanced electronic packaging. It is designed to

Mar 08, 2026 Hot

Active Optical Cables Break the AI Compute Bottleneck: 100m High-Speed ...

As AI compute clusters evolve from tightly coupled “stacked racks” to distributed, elastically deployed architectures, Active Optical Cables — with their 100-meter reach, inherent noise immunity,

May 16, 2026 Hot

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

In summary, the surging demand for 800G and 1.6T optical modules—driven by AI computing clusters, hyperscale data centers, and next

Sep 28, 2025

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