

Latest News on Optical Communication Equipment



Overview

From big moves in coherent optical systems to wild innovations like ultra-efficient microLED data links, ECOC 2025 offered a glimpse into what's coming next for connectivity. AI in network architectures kind of stole the show at ECOC this year. The ECOC Exhibition 2025 in Copenhagen, Denmark, drew more than 8,300 attendees and showcased 340 companies. This year, the event buzzed with talk of optical networking breakthroughs and the kinds of tech that might just shape AI-driven infrastructures, hyperscale cloud, and next-gen data centers. TrendForce's latest research indicates that the global market for AI-focused optical transceivers has entered a phase of rapid growth, with market size projected to expand from US\$16.5 billion in 2025 to \$26 billion in 2026, representing over 57% YoY growth. Explore pioneering discoveries, insightful ideas and new methods from leading researchers in the field. Read stories and opinions from top. Could space-to-ground lasers replace fiber-optic cables in the future?

Getting optical signals through the atmosphere could remain a challenge Can Hollow-Core Cables Transform Data Centers?

Microsoft is developing fiber optics for bandwidth-heavy needs Radio isn't the only way to link ground.

Article Content

Optics | MIT News | Massachusetts Institute of Technology

Light-emitting structures that curl off the chip surface could enable advanced displays, high-speed optical communications, and larger-scale quantum computers. By performing deep ...

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Optical Communications

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Top 5 Emerging Trends in Optical Science for 2025

Explore five groundbreaking trends in optical science for 2025, including vortex-based fiber optics, dual micro-comb atomic clocks, DUV lasers, and scalable quantum photonic chips.

Voyager Acquires BridgeComm's Tech

Voyager Technologies has acquired a proprietary technology from BridgeComm Technologies as part of its effort to accelerate internal development efforts and the delivery of ...

Intel, NASA, and NTT Ignite Next Wave of Optical Communication with ...

At the heart of this transformation lies a crucial technology: semiconductor lasers for optical communications. These tiny yet powerful devices form the backbone of high-speed fiber-optic ...

optical communications

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Global AI Optical Transceiver Market to Reach US\$26 Billion in 2026 ...

TrendForce's latest research indicates that the global market for AI-focused optical transceivers has entered a phase of rapid growth, with market size projected to expand from ...

Lightmatter Achieves Major Breakthrough in Optical Interconnects for ...

Lightmatter, the leader in photonic supercomputing, announced a groundbreaking achievement in optical communications: a 16-wavelength bidirectional Dense Wavelength Division ...

ECOC 2025 Reveals Optical Communications Innovations and ...

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Contact Us

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

Website: <https://www.thebucketlistbook.co.za>

Email: sales@thebucketlistbook.co.za

Phone: +33 1 42 78 39 16

Address: 10 Rue de la Paix, 75002 Paris, France

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