

US Optical Communication Equipment



AI Overview

The US optical communication equipment market is rapidly growing, driven by 5G, cloud computing, and high-speed data demands, with major players like Cisco, Viasat, Acacia Communications, and Source Photonics leading innovation.

Market Overview The US optical communication and networking equipment market was valued at USD 20.5 billion in 2024 and is projected to reach USD 35.2 billion by 2034, growing at a CAGR of 5.5%. This growth is fueled by the increasing need for high-speed data transmission, expansion of 5G networks, cloud computing, and rising bandwidth requirements across industries. Fiber optic connections are expected to reach 50 million by 2025, further driving market expansion. The market emphasizes advanced optical technologies such as wavelength division multiplexing (WDM), coherent optics, and optical fiber solutions, which are essential for handling growing data traffic and supporting edge computing and data center interconnects. There is also a trend toward compact, energy-efficient, and integrated equipment to reduce operational costs and align with sustainability goals.

Key Companies Several US-based companies are at the forefront of optical communication equipment:

- Cisco:** Offers optical networking solutions including open line systems, pluggable coherent optics, and AI-ready architectures for metro, long-haul, and subsea applications.
- Viasat:** Produces satellite and digital communication products enabling secure, high-speed connectivity.
- Acacia Communications:** Specializes in coherent optical modules and networking equipment for cloud providers and network operators, leveraging silicon photonics and digital signal processing.
- Source Photonics:** Provides optical transceivers and data connectivity solutions for data centers and broadband networks, supporting speeds up to 800Gb/s.
- Tellabs:** Focuses on optical transport systems and Optical LAN solutions for enterprises and government clients.

Other notable companies: Kura Technologies, Zenlayer, Xtera, SpiderCloud Wireless, and...

Article Content

Optical Fiber | Optical Fiber Products | Corning

Optical fiber broadband brings together a culture of innovation, quality, and manufacturing excellence to create life-changing products.

DFB LD Chips | Fiber Optical Switches | Optical Line Protection and ...

GLSUN makes DFB LD chips & photodiode chips, high quality optical switches, mems variable optical attenuators, optical isolators, cwdm, dwdm, optical splitters, optical line protection and fiber

Cisco Optical Networking Solutions

Power the backbone for AI networking with innovations in optical open line systems, transponders, and pluggable coherent optics to connect back-end AI scale

Top Companies in Optical Communication Equipment

United States has the most number of companies in Optical Communication Equipment (137), followed by China (71), and then Canada (16).

MTC and Changelight Forge Strategic Partnerships to

Additionally, MTC's Wuhan Optical Communications R& D Center has officially commenced operations, further strengthening its nationwide R& D network and supporting faster

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Investor Relations Sustainability Test and Measurement Advanced wireless, optical, digital and IP test solutions for the equipment, handsets, modules and electronic components in communication systems.

Top Optical Communication Companies In United States Of America

Find verified contacts at 50 optical communication companies in United States Of America. Featured: Viasat, Kura Technologies, Zenlayer. Updated regularly.

Top 28 Optical Communication Systems Companies

If you want to find more companies that provide optical transceivers, networking equipment, and communication solutions you can do so with Inven. This list was built with Inven and there are

United States Optical Communication Equipments Market Growth

The United States optical communication equipment market is experiencing robust growth driven by increasing demand for high-speed internet and data transmission.

Global AI Optical Transceiver Market to Reach US\$26

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

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Micro-LED CPO optical transceiver market to reach \$848m by 2030

As a result, TrendForce projects that the micro-LED CPO optical transceiver market will reach US\$848m by 2030. Global supply chain players are expanding into optical communications

United States (US) Optical Communication and Networking Equipment ...

The market encompasses a wide range of products such as optical fibers, transceivers, switches, and related networking equipment. Key factors contributing to market growth include the adoption of 5G

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Optical Transceivers | Coherent

Optical Transceivers Get the pluggable module performance you need from the manufacturer of choice for major networking equipment vendors worldwide.

US Optical Communication and Networking Equipment Market (2024

This US Optical Communication and Networking Equipment Market research report highlights market share, competitive analysis, demand dynamics, and future growth.

United States Optical Communication Equipments Market ...

The United States optical communication equipment market is positioned at a pivotal juncture, driven by rapid advancements in data transmission needs and the exponential growth of

Optical Communications Products

Browse our optical communication connectivity products designed to help you enable your communication networks. Easily create a bill of materials list.

Top 28 Optical Communication Systems Companies

Optical Communication Systems Insights: Key Companies ... Want to Find More Optical Communication Systems Companies? If you want to find more companies that provide optical transceivers,

Corning Stock Rally Points To 3 US Optical Connectivity Stocks To

Corning's rally and the surge of interest around optical connectivity have thrown a spotlight on a corner of U.S. advanced manufacturing that many investors rarely look at closely. Long

Corning | Materials Science Technology and Innovation

Corning Incorporated is a global-leading innovator in materials science, with 170 years of life-changing inventions and category-defining products.

Optical Communication and Networking Equipment Market in the

The United States optical communication and networking equipment market encompasses active and passive components used to transmit data over fiber-optic networks, ranging from short

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