

US Optical Module Supplier



AI Overview

Leading US optical module and optical component companies include Edmund Optics, Thorlabs, Esco Optics, and Archer OpTx, serving industries from telecommunications to defense. Key US Optical Companies

Edmund Optics – Based in Barrington, New Jersey, Edmund Optics manufactures a wide range of optical components including lenses, mirrors, filters, and lasers. They provide custom optics solutions for sectors such as manufacturing, life sciences, and research, with a global presence in Singapore, Germany, and the UK.

Thorlabs, Inc. – Located in Newton, New Jersey, Thorlabs specializes in photonics solutions, offering imaging systems, optomechanical components, light sources, and optical elements. They serve research, telecommunications, and educational markets, employing over 1,400 people and maintaining international operations.

Esco Optics – A US-based manufacturer of optical components and military/defense optics, Esco Optics produces custom and catalog optics including lenses, mirrors, windows, and prisms. They operate advanced CNC machining, polishing, and coating facilities to deliver high-precision optics with short lead times.

Archer OpTx – Archer OpTx provides comprehensive optical solutions, including molded glass aspheres, CNC-machined lenses, and specialty components like mirrors, filters, and prisms. Their PerfectLens® technology ensures high precision and uniformity, supporting custom optical designs for industrial and scientific applications.

Market Context The US optical module industry is part of a broader optoelectronics and photonics ecosystem, which includes optical transceivers, high-speed communication modules, and optical materials. While some global leaders like Innolight collaborate with North American cloud and telecom companies, US firms focus on both custom optics manufacturing and high-volume production for diverse applications. These companies collectively support sectors such as telecommunications, data centers, defense, healthcare, and research, offeri...

Article Content

Top 10 Optical Module Brand & Manufacturers

After more than 20 years of hard work, O-Net Technology has grown into the world's largest supplier of optical communication components, modules and subsystems, and has taken the lead in multiple

Amazon Signed Multibillion-Dollar Fiber Optics Supply

As investment in AI computing infrastructure continues to accelerate, demand for high-speed optical connectivity in data centers is growing by leaps and bounds. On June 8, Amazon and

Top Optical Transceiver Manufacturers List (2024)

Explore the top optical transceiver manufacturers and their market share. Stay informed about revenue figures and the latest developments in the

Top Optical Modules Companies & How to Compare Them (2025)

Access detailed insights on the Optical Modules Market, forecasted to rise from USD 3.5 billion in 2024 to USD 8.2 billion by 2033, at a CAGR of 10.3%. The report examines critical market...

Optical Transceivers Manufacturers and Suppliers in the USA

Manufacturer of optical subassemblies, components, and transceivers for fiber optic communications applications. Products include photonic integrated and planar light wave circuits,

10 companies in the optical transceiver industry chain 2024

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver industry chain for you.

Technology Partner for Optics, Photonics and Optoelectronics | Jenoptik USA

As a global photonics company, we focus on optical technologies and use the potential of light to advance our customers

Global Leader in Materials, Networking, and Lasers

Transform global communications networks with our comprehensive portfolio of coherent transceivers and modules, lasers, amplifiers, and photonic devices. Our

NVIDIA Optical Interconnect 2026, \$500M Ayar Labs Round

NVIDIA Optical Interconnect Investment, \$4 B for Lumentum & Coherent, and 1.6 T AI Module Demand (2021 to 2026) Download PDF

Advanced Fiber Resources (Zhuhai) Ltd.

Advanced Fiber Resources (Zhuhai) Ltd. Advanced Fiber Resources (AFR) unveiled a comprehensive portfolio of core optical components and solutions for both datacom and telecom network

Laser Components

Our sales locations and premium partners make sure that you receive high-quality optical and optoelectronic components

Optical Transceiver Module Mpo Interface 150m Ddm Hot Plug

Featuring a distinct design and ample style, optical transceiver module mpo interface 150m ddm hot plug 40gbase-sr4 fiber optic transceiver for data center switch \$19.88 provides

1.6T 2×DR4 TRO OSFP Transceiver Module | Lumentum

Lumentum's 1.6T 2×DR4 TRO OSFP transceiver delivers ultra-high-speed optical connectivity for AI and cloud data centers requiring the highest density and

PerkinElmer | Science with Purpose

We believe in the power of science to transform our world. Together with scientists and operators worldwide, we empower progress by providing trusted insights and services that accelerate work and

Your Sustainability Transformation Partner | Fujitsu Global

Our purpose: Make the world more sustainable by building trust in society through innovation.

AI Data Center Optical Transceiver Module Market

4.2 Competitive Landscape Manufacturing Dominance: Chinese manufacturers hold a dominant position in optical transceiver manufacturing, accounting for

Homepage | Excelitas

Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development, and manufacture of photonic

Optical Module Chip Market 2025

The North American optical module chip market is driven by advanced technology adoption, particularly in the U.S., where data center expansion and 5G

Global Optical Transceiver company

Made in Europe ESTEL designs and manufactures high-performance optical transceivers in Europe, with local technical support and a secure supply chain.

Find & Compare Optics | Photonics Services

Largest Database of Optics and Photonics Products and Solutions MEETOPTICS is the world's largest database of photonics products and custom solutions,

Optical Interconnect Technology Analysis: LPO, NPO,

Exploring optical interconnects for AI data centers: LPO for low-power, short-distance links, NPO for high-density, near-package connections,

AI Data Center Optical Component Shortage: Nvidia's

AI data center optical component shortage is pushing 800G transceiver production 40–60% below demand through 2027, McKinsey warns.

AI Data Centers Ignite a Laser Shortage Wave; Nvidia's

Optical module manufacturers and CSPs are now actively searching for secondary suppliers and alternative designs, changing the competitive

Yokogawa AIP578 RIO Optical Link Transceiver Board Module

The Yokogawa AIP578 RIO Optical Link Transceiver Board Module is an optical communication interface used in Yokogawa CENTUM CS and CENTUM VP Distributed Control

Optoelectronics | Authorized Distributor

Arrow is an authorized distributor of optoelectronics from leading manufacturers including onsemi, Everlight, Vishay, BI Technologies and ISOCOM components. We offer a wide variety of fiber optics,

Top 5 Sfp Module Manufacturers In The U.S. For

This guide lists the Top 5 SFP module manufacturers in the U.S. for enterprise buyers, compares what each vendor does best, and shows practical questions to

Contact Us

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