

Article Overview

Leading brands in pure optical switches include Agiltron, Viavi Solutions, DiCon Fiberoptics, Thorlabs, Lumentum, II-VI Incorporated, Cisco, and Lightmatter.

Key Optical Switch Manufacturers

Agiltron - A registered trademark of Optowares Corporation, Agiltron specializes in high-performance optical switches suitable for telecommunications, data centers, and photonics research . Viavi Solutions - Based in Arizona, USA, Viavi produces optical fiber inspection tools, network testing equipment, and optical switches for telecom and IT industries . DiCon Fiberoptics - Founded in 1986 in California, DiCon offers a broad portfolio including optical switches, fiber optic cables, transceivers, and passive components for medical, aerospace, and IT applications . Thorlabs - Offers MEMS-based optical switches, optical switch kits, acousto-optic Q-switches, and high-speed switching instruments for fiber-optic circuits and laser applications . Lumentum - Develops advanced optical switch technologies, including silicon photonic switches, for high-speed data transmission and telecom networks . II-VI Incorporated (formerly Finisar) - Provides a wide range of optical switches and components for data centers, long-haul networks, and high-speed optical communications . Cisco - Offers optical switching solutions integrated with networking infrastructure, focusing on reliability and scalability for enterprise and carrier networks . Lightmatter - A startup specializing in silicon photonic switches, offering high bandwidth and low power consumption solutions for next-generation optical networks .

Additional Considerations

Optical switches vary by switching mechanism: mechanical, MEMS, bending/thermal, acousto-optic, and electro-optic. MEMS and silicon photonic switches are increasingly popular for high-speed, multi-channel applications due to compact size and low power consumption . When selecting a brand, consider application requirements, switching speed, insertion loss, wavelength range, and integration capabilities. These brands represent a mix of established industry leaders and innovative startups, providing options for both traditional telecom networks and emerging photonics applications.

Whether you're after ultra-low latency or want a smooth and durable typing experience, the

Explore the latest trends in top optical switches companies, highlighting innovations in silicon photonics, AI data centers, and high

Optical switch keyboards are gaining popularity among gamers and typists. They offer speed and precision

In mechanical keyboards, there are two kinds of switches, optical and mechanical. In this guide, we explain which is better for you

These component-style fiber-optic prism optical switches utilize moving prisms between fixed collimator pairs, which allows bi

The Best Optical Keyboards For Gaming (2025 Reviews) Optical keyboards are on the rise so we made the effort to

Razer(TM) Optical Switches deliver the fastest performance you'll ever experience. Pushing innovation to elevate the gaming

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Read this "12 best optical mechanical keyboards" article if you are on the mission of

We compare optical mice switches of Razer, Logitech, SteelSeries and other brands for you.

11 Fiber Switch Manufacturers in 2026 This section provides an overview for fiber switches as well as their applications and

This buyer's guide for optical switches provides technical background, comparison of major types, selection criteria, and an overview

We explain the differences between optical mouse switches and mechanical mouse switches and go over the

TWO FORCES. ONE GOAL. LIGHTFORCE switches blend optical and mechanical actuation for

Discover the best optical switches for gaming keyboards in 2023: budget to high-end. Compare features & benefits of each switch type.

List of the top Optical Switches companies based on extensive research conducted by Mordor Intelligence analysts and expert

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