

OCS Optical Switch Company



AI Overview

Key players in the Optical Circuit Switching (OCS) market include Coherent, Google, Calient, Huber+Suhner, iPrionics, Accelink Technologies, Ruijie Networks, Triple-Stone Technology, and Lumentum. Overview of Key Companies

Coherent: Known for its innovative optical circuit switch solutions, Coherent focuses on energy-efficient and cost-effective designs for data center networks.

Google: A major player in the OCS market, Google has demonstrated the effectiveness of OCS in low-latency, high-bandwidth applications, particularly in AI and data center networking.

Calient: Specializes in optical switching technologies and is recognized for its contributions to scalable optical networks.

Huber+Suhner: Offers a range of optical solutions, including components for OCS applications, focusing on high-performance and reliable systems.

iPrionics: Engages in developing advanced optical switching technologies, contributing to the growing OCS market.

Accelink Technologies: Provides various optical communication products, including those relevant to OCS implementations.

Ruijie Networks: Involved in the development of networking solutions, including optical circuit switching technologies.

Triple-Stone Technology: Focuses on optical switching solutions and is part of the expanding OCS landscape.

Lumentum: A key player in the optical networking space, Lumentum offers products that support OCS applications and enhance network performance.

Market Insights The OCS market is experiencing significant growth, driven by the increasing demand for high-bandwidth, low-latency communication networks, particularly in data centers and AI applications. The market is expected to expand as more companies recognize the benefits of OCS technology in optimizing network performance and reducing operational costs. This landscape is evolving rapidly, with ongoing innovations and investments from these key players, making it an exciting area to watch in the telecommunications and data networking sectors.

Article Content

Optical Circuit Switches | Lumentum

Lumentum's optical circuit switches (OCS) enable the next generation of AI and cloud network architectures by replacing traditional electrical fabrics with flexible, energy-efficient optical interconnects.

Optical Switch: Complete Guide to Types, Technology & Market Trends

Optical switches enable all-optical signal routing in fiber networks. This guide covers MEMS, mechanical & solid-state types, market size (\$5.9B in 2025), AI data center OCS deployments

Optical Circuit Switching (OCS) Solutions – InLC Technology

High-Performance WSS for Intra-Datacenter Optical Circuit Switching. InLC's TDC and QDC Wavelength Selective Switches (WSS) are specifically designed and optimized for Optical Circuit

The Optical Circuit Switching Market

The Optical Circuit Switching Market – 4Q25 In this update to our OCS report we cover more vendors and technologies, investigate additional applications, and update our market forecast.

Molex Accelerates AI Cluster Deployment with One-Stop Optical ...

Molex unveils a full optical stack including serviceable CPO solution, detachable fiberto chip interfaces and a High Radix Optical Circuit Switch platform to accelerate AI cluster

Google's High-Speed Interconnect Architecture to Push 800G+ Optical ...

Google's next-generation TPU, Ironwood, integrates a 3D Torus network topology with the Apollo optical circuit switch (OCS) all-optical network, marking a major step forward in AI data

Optical Circuit Switching » Open Compute Project

The OCS Subproject aims to empower users and manufacturers by fostering collaboration, interoperability, and innovation in optical networking. The mission of the OCS

Optical circuit switching market to exceed \$1B by 2028

There is widespread interest in Optical Circuit Switching (OCS) components for AI applications as new deployments by hyperscale operators appear imminent, according to research

Optical Circuit Switching and the AI Era

Optical Circuit Switching (OCS) has emerged as a key technology enabling the next leap in data center performance and efficiency — particularly as artificial intelligence (AI) and machine learning (ML)

Calient.AI

Calient's Optical Circuit Switch (OCS) - S320 is an all-optical (OOO) switch that establishes, monitors, and changes connections between single-mode optical fibers. The OCS is transparent to data speed

Optical Circuit Switch | Coherent

The OCS optimizes data center networks by minimizing electrical switches and optical-electrical-optical (OEO) conversions, resulting in significant cost savings, reduced power consumption, and improved

Optical Circuit Switches, Calient - Signal Solutions

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Lumentum (LITE) Q2 2026 Earnings Call Transcript

We previously identified three primary catalysts for Lumentum's future growth: cloud transceivers, optical circuit switches (OCS), and co-packaged optics (CPO).

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

Optical Circuit Switches (OCS) Market

The Optical Circuit Switches (OCS) Market was valued at USD 750.0 Million in 2025 and is projected to reach USD 2.77 Billion by 2032, growing at a CAGR of 20.5%.

DiCon Fiberoptics | Directing light with MEMS Technology

Makers of innovative, high quality optical switches, tunable filters, variable optical attenuators, and test equipment for optical signal switching, optical network monitoring and restoration, video distribution,

Global OCS (Optical Circuit Switch) Switch Competitive Landscape ...

Market Overview According to DResearch's in-depth investigation and research, the global OCS (Optical Circuit Switch) Switch market size will reach 1,113.22 Million USD in 2026 and is

Are Photonic Components the Next AI Data Center Bottleneck? The Optical ...

OCS (Optical Circuit Switch) is another growth engine for Lumentum. Unlike traditional electrical switches that require "optical-electrical-optical" conversion, OCS routes signals entirely in

Coherent Announces Optical Circuit Switch for Data Centers

Coherent will hold a first-of-its-kind demo at OFC 2024 of a 300x300-port optical circuit switch based on ultrareliable DLX technology, revolutionizing data center networks for AI deployments.

Coherent's \$23B Opportunity Lifted by NVIDIA's Optical

Coherent's market on track to reach \$23 billion as NVIDIA's Spectrum-6 and Kyber drive structural demand for co-packaged optics components.

Google's TPU-Powered "Google Chain" Leads Market Trends

The full-stack value chain looks like this: Compute (Custom TPU architecture)+Interconnect (OCS optical switch systems)+Model: (Gemini 3 series)+Application: (

Contact Us

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