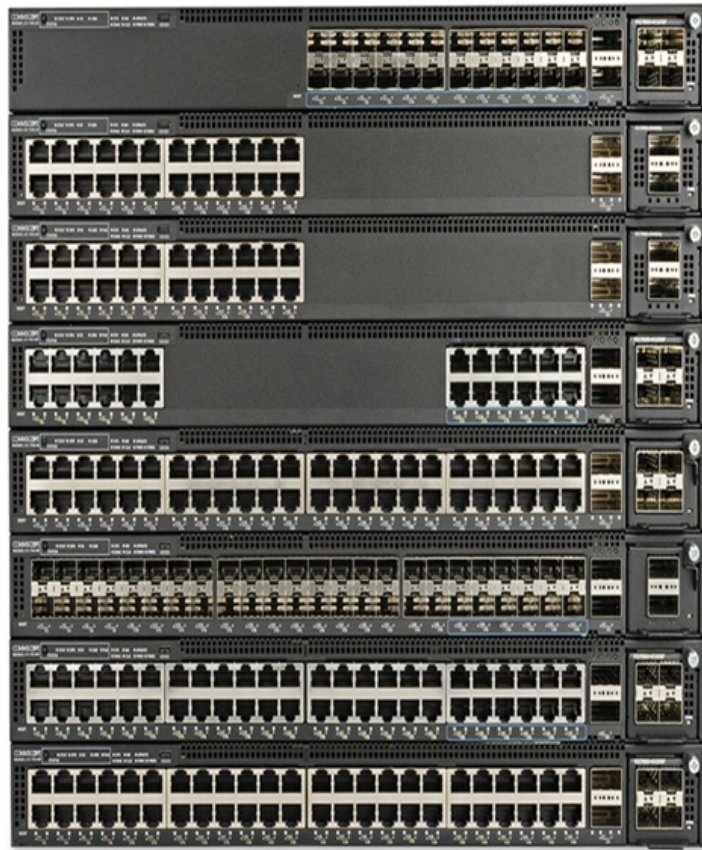


# OCS optical switching module





## OCS optical switching module

---

# Google's High-Speed Interconnect Architecture

---

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

## High-Radix Optical Circuit Switch (OCS) Platform , Molex

---

Optical network architects need more efficient connectivity for AI training and inferencing at scale. The High-Radix Optical Circuit Switch Platform from Molex



# Optical Circuit Switch Explained: Benefits, Use Cases, and LINK-PP

---

Discover Optical Circuit Switch technology, benefits, and use cases. Learn how LINK-PP optical module solutions enhance OCS for AI, HPC, and data centers.

## Optical Circuit Switch

---

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

## AI drives OCS market forecast to surge to \$2.5bn

---

The market for optical circuit switching (OCS) is now forecast to reach at least \$2.5bn by 2029, according to market research firm Signal AI. This projection represents



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

---

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

## **Highly Customized Optical Networking Critical for**

---

Google's system leverages optical circuit switching (OCS) to create direct, low-latency optical paths between TPU chips, minimizing signal conversion

## **Google's TPU-Powered 'Google Chain' Leads Market**

---



Crucially, Ironwood introduces a powerful optical communication system known as OCS (optical circuit switching). This enables TPUs to

## **Optical Component Startup Tracker**

---

The number of venture-backed optical component startups has exploded - the Optical Component Start-Up Tracker identifies these companies

## **Optical Circuit Switches**

---

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



## Coherent (COHR): In this round of AI optical interconnects, which

---

Coherent Corp. is positioned differently from Lumentum despite both receiving Nvidia investment for optical interconnects. Coherent's vertically integrated model spans materials,

## Lumentum Aims \$2B Quarter as AI Optics, 1.6T Transceivers Surge

---

MEMS-based OCS advantages-- low insertion loss (

### Contact Us

---

For datasheets, pricing, or custom optical networking solutions, please visit:  
<https://www.entrenamientointeligente.es>