

# Google optical module order





## Overview

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Google has joined Nvidia in placing substantial orders for optical interconnect components with Taiwanese manufacturer Innolux as the pair continues aggressive efforts to phase out copper from its hardware. 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-center interconnect design. TrendForce's latest research on the high-speed interconnect market indicates that this. Local news site UDN reports that "large orders" for components were placed with the pair. BOSTON (May 7, 2025) - After explosive growth in 2024, 800G Datacom optics for AI and general computing applications will be the fastest growing segment of the market in 2025, according to the latest Optical Components Report from research firm Signal AI. Understanding the cost of optical modules has become a formidable challenge for IT and procurement professionals. This article unpacks the technologies powering this leap (silicon photonics, advanced modulation, and co-packaged optics), compares deployment.



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### Google follows Nvidia's lead with 'large orders' for optical

Google has joined Nvidia in placing substantial orders for optical interconnect components with Taiwanese manufacturer Innolux as the pair continues aggressive efforts to phase out copper

### Google OCS Apollo: The >\$3 Billion Game-Changer in

So Google moved from using erbium-doped fiber amplifiers, which were limited to the 1530nm to 1565nm wavelength range (C-Band), to using



### Optics Compatibility Matrix

The Optics Compatibility Matrix helps users determine which Cisco optics products are compatible with specific Cisco networking devices like switches, routers, and servers.

### Powering the Next Data Race: How 800G & 1.6T Optical

Powering the Next Data Race: How 800G & 1.6T Optical Modules Are Reshaping AI and Cloud Infrastructure Original Article by SemiVision Research (Optical



### Mission Apollo: Behind Google's optical circuit switching

Over the past few years, Google has been quietly overhauling its data centers, replacing its networking infrastructure with a radical in-house approach

### POET Technologies Receives \$5 Million Production Order for 800G Optical

The purchase order for optical engines was made by a leading systems integrator that will manufacture and sell optical transceiver modules. The production order represents further proof



### OSFP vs QSFP-DD vs QSFP112 - Choosing the Best

Understanding Optical Module Form Factors Before comparing OSFP, QSFP-DD, and QSFP112 directly, it's helpful to understand what a form factor



## Google Scholar

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### Pluggables, Power, and Geopolitics: Mapping the 800G

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T Optical Transceiver Battle How AI Demand Is Reshaping Market Share, Supply



### Nvidia Orders Surge: InnoLight and Eoptolink Dominate

AI-driven data center demand propels optical module growth, with Nvidia's 800G orders dominating, pushing market value beyond \$12 billion by 2025.



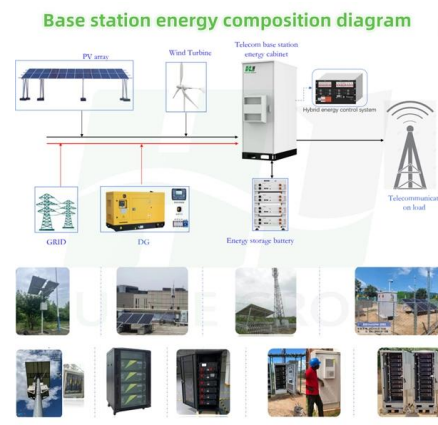
### Google OCS Apollo: The >\$3 Billion Game-Changer in

Google, with their Apollo project, has developed a non-blocking 136x136 optical circuit switch that is both forward and backward-compatible with



## Google's Data Center Interconnect Architecture: Rise of 800G

Google's Data Center Interconnect Architecture: Rise of 800G+ Optical Modules and 2026 Supply Chain Outlook - 1. Google is consolidating its proprietary TPUs, Ironwood racks, 3D

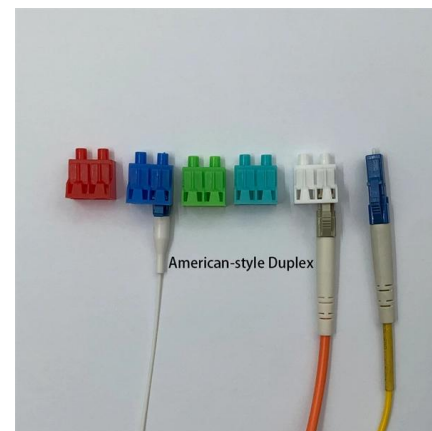


## Dahua GSFP-1310T-20-SMF Gigabit Optical Module

Dahua GSFP-1310T-20-SMF Gigabit Optical Module The Dahua GSFP-1310T-20-SMF is a Gigabit single-mode SFP optical transceiver designed for long-distance fibre network connections. It is

## The Evolution of Optical Modules: Powering the Future

Enter optical modules, which leverage the power of light to transmit data efficiently over long distances, driving the next generation of technological



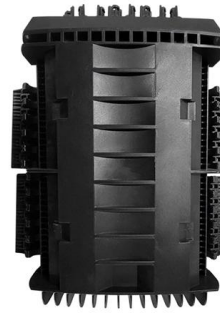
## 800G Optical Modules Drive Market Recovery in 2025

800G modules drive optical market recovery in Q2 2025, with initial 1.6T shipments. This article highlights key trends in data center optics and AI



### Google's products and services

Explore Google's helpful products and services, including Android, Gemini, Pixel and Search.



### The Evolution of Optical Modules: 400G -> 800G -> 1.6T - A Strategic

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.



### 800GbE Optics Shipments to Grow 60% in 2025

Additional Findings from the 4Q24 Optical Component Report: The datacom optical component market will grow 60%+ to reach over \$16B in revenue



### The evolution of Google's Jupiter data center network

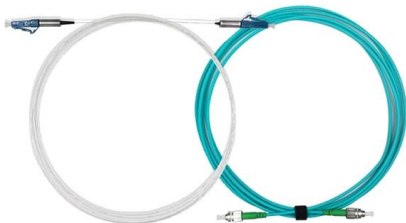
Thanks to optical circuit switching (OCS) and wave division multiplexing (WDM) in the Jupiter data center network, Google enjoys a host of





## Google's High-Speed Interconnect Architecture to Push

Google's next-generation TPU, Ironwood, integrates a 3D Torus network topology with the Apollo optical circuit switch (OCS) all-optical network,



## 400G vs 800G Optical Module: Which is Right for Your Network?

A deep technical comparison of 400G vs 800G optical module technology. Understand the key differences, benefits, and applications to optimize your next-generation data center network.

## Sivers and Jabil team up on 1.6T optical transceivers for AI data c

Swedish Sivers Semiconductors has entered a collaboration with Jabil, one of the world's largest EMS providers, to develop an energy-efficient 1.6T pluggable optical transceiver module



## Optical Module Procurement Guide

Optical Module Procurement guide to pricing trends, OEM vs aftermarket insights, and strategic buying tactics to optimize costs, reliability, and



## Where co-packaged optics (CPO) technology stands in

Co-packaged optics (CPO) technology, a key enabler for next-generation data center architectures, promises unprecedented bandwidth density



## EG Industries (EG MK)

EG secures a US\$242m order for 800G optical modules, raising target price to RM2.10 with a BUY rating, driven by AI data center demand and strong revenue growth prospects.

## Contact Us

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