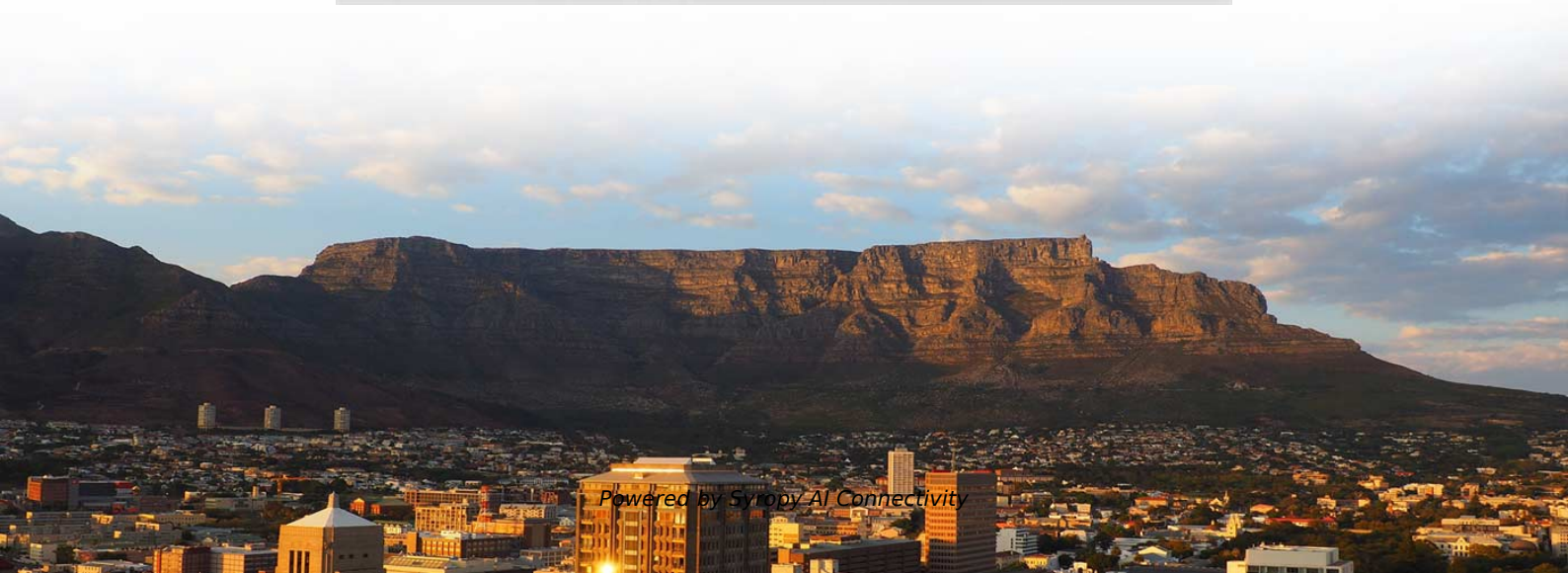


# **Low-power optical module for data center interconnect 800G**





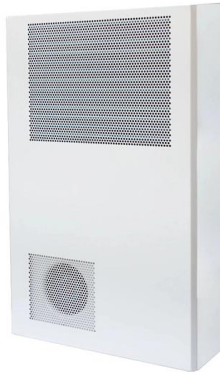
## Overview

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The 800G OSFP SR8 optical module is designed specifically for short-reach high-speed interconnects. It operates in 2×400G SR4 or 800G SR8 modes, utilizing 850nm VCSEL lasers and PAM4 modulation, with a transmission distance of up to 50 meters over OM4 multimode fiber. New Castle, Delaware – FS, a trusted provider of ICT products and solutions, has launched its cutting-edge 800G Linear Pluggable Optics (LPO) module. Cisco QSFP-DD and OSFP 800G ZR/ZR+ digital coherent optics modules enable 800G traffic over amplified Dense Wavelength-Division Multiplexing (DWDM) links up to 120 km for 800ZR and over 1000 km for 800G ZR+. It not only meets the requirements of ultra-high bandwidth but also delivers low power consumption and high reliability in short-reach interconnects, making it a core interconnection solution for.



## Low-power optical module for data center interconnect 800G



### 800G OSFP SR8 Optical Module for AI and Data Center Interconnects

Explore the 800G OSFP SR8 optical module with key features, advantages, and applications in AI/GPU clusters, HPC, and hyperscale data centers for reliable short-reach connectivity.

### Coherent DSP , Critical enablers for efficient

Coherent DSPs for pluggable modules The Marvell coherent DSP portfolio, including Orion(TM), Canopus(TM) and Deneb(TM) platforms, empower the optical module

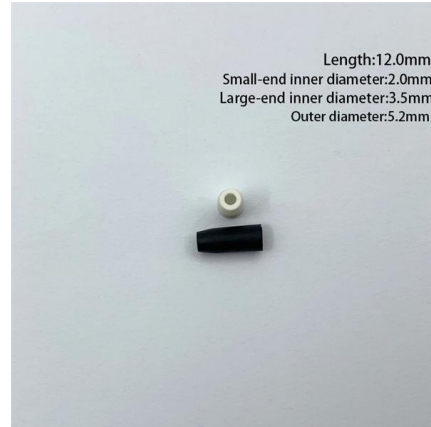


### FS Launches 800G LPO Module to Power Next-Gen AI

Designed for AI/ML applications, this advanced 800G DR8 OSFP finned top LPO module enables high-speed data transmission with ultra-low

### The Definitive Guide to 800G OSFP/QSFP-DD AOC Cables for

In the rapidly evolving landscape of hyperscale computing, the 800G OSFP/QSFP-DD AOC Cable stands as a pivotal innovation for seamless data center interconnectivity. This



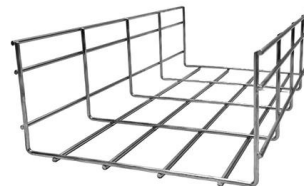
### Data Center Iteration Imminent

It provides stable, reliable, and ultra-low power consumption in high-speed data connection for next-generation data centers oriented toward artificial intelligence, cloud computing, big data, and other



### Product-Optical Transceiver-ACON OPTICS

Description The surge of AI and data-intensive workloads demands ultra-fast, energy-efficient connectivity. ACON OPTICS' 1.6T, 800G, and 400G optical



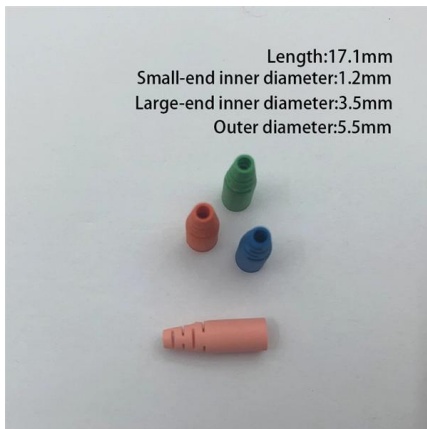
### Google's High-Speed Interconnect Architecture to Push

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



### Innovation Trends in OSFP Optical Module Market

The OSFP optical module market is booming, driven by high-bandwidth demands in data centers and HPC. Explore market size, CAGR, key players (II-VI, Cisco,



### AI infrastructure accelerates the shift to scalable optical systems

Emerging themes and trends OFC 2026 showed that AI scale-up is reshaping optical roadmaps. Optical interconnect is increasingly central not just to networking, but to AI system

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

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



### Adtran sets intra-data center benchmark with all-new

Adtran today launched LiteWave800(TM), an ultra-low-power 800Gbit/s DR8 linear pluggable optics (LPO) module engineered to help data centers



### Sivers Semiconductors Collaborates With Jabil on Energy Efficient

Through this collaboration, Jabil plans to develop a 1.6T linear receive optical (LRO) transceiver module using Sivers' high-performance Distributed Feedback (DFB) lasers. The new



### LPO: Leading Low-Power 800G Optical Communication

By eliminating DSP chips, LPO optical modules achieve dramatic power reduction, cutting energy consumption by approximately 50% compared to

### Optical Transceivers , Fiber Optic Transceivers , Form

800G OSFP Optical Modules for High-Speed Ethernet Links Designed for 800Gb/s data rate links, these OSFP optical modules support 106.25Gb/s per

### Mesh door/glass door optional



Sp-601 glass door

Sp-602 mesh door



### How Linear-Drive Pluggable Optics (LPO) Is Revolutionizing 800G

Explore how Linear Pluggable Optics (LPO) transforms 800G transceivers in data centers, reducing power, latency, and costs while enabling high-speed, short-reach connectivity.



### 800G LPO QSFP-DD800 Optical Transceiver for AI/HPC Data Centers

The 800G LPO QSFP-DD800 optical transceiver provides an optimized solution for next-generation networks, delivering ultra-low latency, exceptional energy efficiency, and reliable high

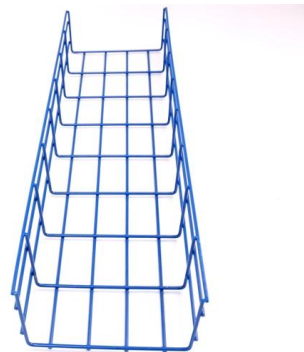


### 400G OpenZR: A Leap for Next-Gen Data Center Interconnects

In many real networks, especially brownfield telecom networks, the optical line system may require stronger launch power to work properly through multiplexers, amplifiers, ROADMs, or longer fiber

### Optical Interconnect in AI Data Centers Market

CANADA OPTICAL INTERCONNECTS IN AI DATA CENTER INDUSTRY GROWTH Canada is emerging as a key growth region in the optical interconnect market, driven by increasing



### 800G LPO QSFP-DD800 Optical Transceiver for AI/HPC Data Centers

Explore 800G LPO QSFP-DD800 optical transceivers designed for AI and HPC data centers. Delivering ultra-low latency, power efficiency, and reliable high-speed networking.

### Optical Communication Industry Trends



## 2026: AI, 800G/1.6T Optical

Explore optical communication industry trends in 2026, driven by AI infrastructure, 800G and 1.6T optical modules, silicon photonics, and next-generation data center connectivity solutions.



### FS Launches 800G LPO Module: A Power Efficiency and Latency

In the era of HPC and AI, the 800G LPO module stands out with its exceptional power efficiency, ultra-low latency, and cost-effectiveness--providing a critical solution for current AI/ML

### Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent Optics Modules

Cisco 800G ZR/ZR+ coherent optics modules deliver high performance and low power in QSFP-DD and OSFP form factors.



### LightCounting :: Scale-up networks in AI Clusters is a

LightCounting releases July 2025 Cloud Data Center Optics Report Investments by Cloud companies in data centers and supporting networking infrastructure have



## 800Gb/s OSFP Transceivers , Optical Interconnect

Amphenol's 800G OSFP optical modules include 2xDR4(plus), 2xFR4(plus), 2xLR4, AOC, and AOC breakout series, which adopt LC or MPO



## Data Center Interconnect (DCI) Modules

The Marvell data center interconnect portfolio includes COLORZ®, COLORZ® 400 and COLORZ® 800 modules in multiple form factors to connect regional data

## 400G/800G DC Interconnect: Key Modules , Shenghuan

Here's a practical, vendor-neutral breakdown of what matters most: which optical modules to deploy, which cabling architecture to choose, and where the real trade-offs lie.



## MaxLinear Announces Availability of Washington 200G TIA for Next

As data center networks evolve from today's 800G connectivity toward next generation 1.6T and beyond, data center operators and module vendors face increasing pressure to scale



## Contact Us

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For datasheets, pricing, or custom high-speed optical interconnect solutions,  
please visit:

<https://www.syropy.com.pl>