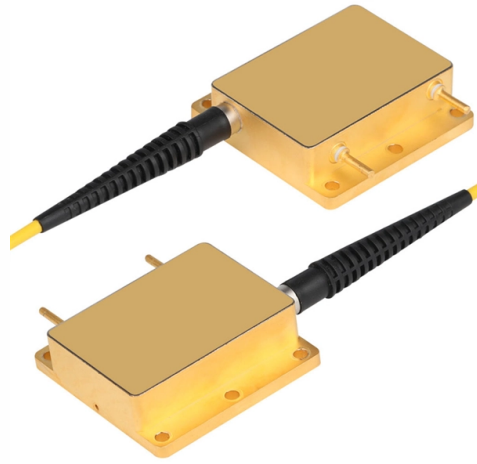


# Optical Module Product Launch



## Overview

This week, GlobalFoundries (NASDAQ:GFS) announced its new SCALE™ optical module—the Silicon Photonics Co-packaged Advanced Light Engine solution—specifically engineered for the rigorous demands of AI-driven data centers. (2025-07-25 Shanghai) - Universal Scientific Industrial (Shanghai) Co. (USI), a global leader in electronic design and manufacturing services, announced its upcoming release of a next-generation 1. GIGALIGHT introduces the dual-density 100G SFP56-DD SR2 optical module based on 2×50G PAM4 modulation technology, delivering double-density. [Barcelona, Spain, March 4, 2025] At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience with "3S" quality (Spanning, Stable, Secure). This launch took place during the data center session themed "Building New Data Centers in the Intelligent. On the eve of the Optical Fiber Communication Conference (OFC 2026) in Los Angeles, industry leaders have unveiled three major Multi-Source Agreements (MSAs) specifically designed for AI data center interconnect scenarios. These agreements—Open CPX, OCI, and the headline-making XPO MSA—aim to. To meet the demand for long-distance transmission in scenarios where optical fiber resources are scarce in edge access networks, Walsun has launched the 100G QSFP28 ZR4 BIDI product, and will demonstrate 100G 80km single-fiber bidirectional service transmission at OFC 2024.

## Article Content

Intel Demonstrates First Fully Integrated Optical I/O Chiplet

Intel Corporation's Integrated Photonics Solutions (IPS) Group has demonstrated the industry's first fully integrated bidirectional optical compute

USI | USI to Launch Next-Generation 1.6T Optical Module Targeting

USI, a global leader in electronic design and manufacturing services, announced its upcoming release of a next-generation 1.6T optical module.

Global AI Optical Transceiver Market to Reach US\$26 Billion in 2026 ...

TrendForce's latest research indicates that the global market for AI-focused optical transceivers has entered a phase of rapid growth, with market size projected to expand from

We are Nokia | Nokia

We invent a new type of optical fiber, Non-Zero Dispersion Fiber (NZDF), that becomes widely deployed in intercontinental and long-haul terrestrial networks.

GlobalFoundries Launches Industry-First SCALE Optical Module...

GlobalFoundries (GFS) unveils its SCALE™ optical module, setting a new benchmark for co-packaged optics and bandwidth density in advanced AI data centers. The new platform meets

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

OptiFiber® Pro OTDR Fiber Optic Cable Testing Tool

Fluke Networks OptiFiber® Pro OTDR built for enterprise fiber optic cabling certification testing. It supports copper certification, fiber optic loss, OTDR testing

Optical module - A comprehensive exploration

The optical module is one of the core devices of the optical communication system, and its development has a vital impact on its related

OFC 2026 Special: Arista Leads XPO Launch as Three

Discover the major industry shift at OFC 2026 as Arista Networks and global leaders unveil the XPO MSA, Open CPX, and OCI MSA to solve AI data

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Optical Module PCB: The Ultimate Guide to Design, Fabrication, and ...

This guide serves as an in-depth resource for engineers, designers, and project managers involved in the development of optical module PCBs. It will explore the complete product lifecycle, from design

Huawei Unveils StarryLink Optical Modules That ...

To tackle these challenges, Huawei has launched its StarryLink optical modules for data center networks, featuring three robust capabilities: spanning, stable, and secure, delivering a "3S"

Optical Interconnect Technology Analysis: LPO, NPO, CPO

Exploring optical interconnects for AI data centers: LPO for low-power, short-distance links, NPO for high-density, near-package connections,

InnoLight Collaborates with Marvell on the Launch of 800G ZR/ZR+ ...

"The launch of our 800G ZR OSFP coherent optics product line powered by Marvell's Orion coherent DSP will drive the steady evolution of standards-based small form factor coherent

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GIGALIGHT Launches Dual-Density 100G SFP56-DD SR2 Optical

May 11, 2026, Shenzhen, China. - With the rapid acceleration of AI clusters, data center switching architectures, and 200G/400G network deployments, demand for higher port density and

Global Optical Modules Market 2024-2030

In Global Optical Modules Market, The VITA 66.5 draught standard, set to be published, defines NanoRF optical hybrid modules.

Mellanox Launches Latest Optical Modules: Lower Power

Technology Breakthrough: Mellanox Technologies, now part of NVIDIA, has launched its latest generation of optical transceivers, setting new industry standards for power efficiency and

Marvell Launches Products, Technology and Partnerships at OFC

Customer Momentum for Orion with InnoLight and HGGenuine: Module manufacturing leaders will highlight new 800G ZR/ZR+ modules powered by Orion for data center interconnects, IP

Gemtek sees no end to high-end optical demand, 1.6T mass production

Gemtek Technology has successfully developed its next-generation 1.6T OSFP optical transceiver module, targeting hyperscale cloud data centers and is expected to enter mass

Optical Module: A Comprehensive Analysis from Source

Compared to overclocking 10G optical chips, 25G optical chip-based modules offer higher reliability and stability, even though they have more

Huawei Unveils StarryLink Optical Modules That ...

At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience with "3S" quality (Spanning, Stable, Secure). This launch took place

Optical Module Technology Roadmap | 800G to 3.2T Evolution

Explore the future of optical module technology from 800G to 1.6T, 3.2T and beyond. Comprehensive roadmap covering silicon photonics, CPO, coherent datacom, and AI-optimized

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