



# CPO high-speed optical module

The SCALE CPO solution, combined with GF's silicon photonics technology, entails an advanced portfolio of fully qualified photonic devices, including 50-Gbps and 100-Gbps micro-ring ...

This complexity is amplified by the co-integration of waveguides, modulators, photodetectors, and optical sources alongside high-speed digital logic, all of which require precise ...

GlobalFoundries has introduced its SCALE optical module solution for co-packaged optics, designed to support high-bandwidth AI data centre interconnects.

SCALE CPO solution is the industry's first OCI MSA capable platform and built with GF's proven silicon photonics technology MALTA, N.Y., May 04, 2026 (GLOBE NEWSWIRE) -- ...

In this article, we explore what CPO technology is, how it compares with traditional optical transceivers, and what it means for the future of data center networking.

GlobalFoundries (GF) announced the introduction of its SCALE(TM) optical module solution for co-packaged optics (CPO).

These demonstrations highlight Coherent's ability to support multiple optical architectures for co-packaged optics, leveraging its expertise across key photonics technologies including indium ...

Today, data centers use a separate approach for optics and electronics, in which optical modules are connected to switches and routers through high-speed electrical interfaces.

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IBM researchers have demonstrated a way to bring optics' speed and capacity inside data centers. In a technical paper, IBM introduces a new CPO prototype module that can enable high ...

GlobalFoundries (Nasdaq: GFS) on May 4, 2026 introduced the SCALE optical module solution for co-packaged optics (CPO), billed as the industry's first OCI MSA-capable platform. ...



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