

AWS, Google, Meta, Microsoft, Baidu, Alibaba, and Tencent, are continually building and upgrading hyperscale data centers with the latest server and networking solutions. As hyperscale AI data centers continue to scale.

Optical Module Accelerated Network



The deployment of 400GE client optics was accelerated by the demand from hyperscale web players and service providers, along with other data center operators, coinciding with the availability of a ...



Ara, the industry's first 3nm PAM4 optical DSP, builds on six generations of Marvell leadership in PAM4 optical DSP technology. It integrates eight 200 Gbps electrical lanes to the host and eight 200 Gbps ...



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.



Artificial Intelligence is Changing Everything! Why Photonic Fabric™ vs. Copper? How Does the Photonic Fabric Transform AI?



MALTA, N.Y., May 4, 2026 – GlobalFoundries (Nasdaq: GFS) (GF) today announced the introduction of its SCALE™ optical module solution for co-packaged optics (CPO). GF's SCALE solution, or Silicon ...



We review recent advances in optical modules and networks for AI-era data centers (DCs), covering intra-DC optical pluggable transceivers, DC interconnections, optical cross-connect based flexible ...



Leveraging 3nm technology and laser driver integration, Ara reduces module design complexity, power consumption and cost, setting a new benchmark for next-generation AI and cloud ...



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.



WebTelecoms Cabling

Our optical networking product portfolio provides high-performance, reliable, and scalable optical control and power solutions to address high bandwidth and small form factor modules in both ...



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Diagnosing and replacing a failed module within a fabric containing 50,000+ optical links presents a major operational challenge, often triggering cascading effects on job scheduling and leading to ...



Cadence provides high-performance, protocol-agnostic SerDes PHY IP that supports both electrical and optical connectivity for host switches and ASICs, NICs, and module DSPs, regardless ...

Contact Us

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