



New optical modules have arrived

In the AI era, data center network interconnection presents new challenges for optical modules, requiring significant improvements in transmission distance, O& M efficiency, and ...

The widespread deployment of 800 G and 1.6 T optical modules, the maturation of silicon photonics and CPO, the commercialization of novel fiber ...

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 infrastructure investment.

Optical module development has converged on a de facto "speed-doubling" roadmap, with each new generation arriving approximately every two to three years. This cadence is largely ...

Marvell becomes a founding member of the XPO MSA, introducing a new liquid-cooled optical module form factor that delivers 12.8 Tbps and 4x bandwidth density for AI data centers.

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 ...

The widespread deployment of 800 G and 1.6 T optical modules, the maturation of silicon photonics and CPO, the commercialization of novel fiber types, and bottom-layer chip innovations ...

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.

The new L-band module extends transceiver operation into the L-band spectrum, effectively doubling the usable wavelength range and available fiber capacity.

In the Quantum-X photonic switch system, only 18 laser modules connected at the front panel supply light to all 144 x 800G optical channels. Each module has eight integrated lasers and ...

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" ...



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