

Optical module shipments increased year-on-year

The automotive industry's demand for optical modules grew by 30% in 2023, fueled by ADAS and vehicle-to-everything (V2X) communication systems. Stringent data security regulations ...

Additionally, Research C observed that Ethernet optical module sales surpassed \$3 billion USD in Q2 2024, representing a 30% year-over-year increase, with 400G/800G modules driving the majority of ...

The datacom optical component market will grow 60%+ to reach over US\$16 billion in revenue during 2025, based primarily on continued growth in 400G and 800G shipments. Innolight, ...

Total shipments of high-speed datacom modules (400GbE and above) are expected to reach 42 million units in 2025, led by 800GbE growth; 1.6TbE modules will grow rapidly in 2026.

With data centers transitioning to 400G and 800G optical modules for enhanced bandwidth efficiency, the demand for high-performance optical chips has surged by approximately 30% year-over-year.

Emerging Trends: Shipments of 800G optical modules surged with the aid of 60% in 2024 due to increase in AI and quantum computing programs. Regional Leadership: Asia-Pacific holds ...

"Hyperscale operator deployment of optics for connectivity both inside and between datacenter will continue to grow dramatically in 2025, although at reduced growth rates compared to ...

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.

Meanwhile, Signal AI's Optical Components Report reinforces this outlook, predicting that 800G modules will see a 60% year-over-year increase in shipment volume in 2025, making them the ...

At a recent seminar, LightCounting projected that the shipment volumes of optical transceiver modules and Optical Circuit Switches (OCS) will see explosive growth over the next five ...

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