

Oclaro: Enabling High Bandwidth Optical Networks

Headquarters:
San Jose, CA

CEO:
Greg Dougherty

Stock symbol (Nasdaq):
OCLR

Revenue:
FY2015 Revenue \$341M

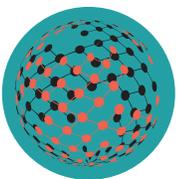
Employees:
~1,300

Overview

Oclaro is a leader in optical components, modules, and subsystems for optical transport and metro networks, enterprise networks, and data centers. Leveraging more than three decades of innovation in laser technology, photonic integration, and transceiver/subsystem design, Oclaro's solutions are at the heart of the fast optical networks and high-speed interconnects that are enabling the next wave of streaming video, cloud computing, voice over IP and other high-speed and bandwidth-intensive applications.

Markets

Oclaro is investing in R&D to deliver innovation that provides real value and differentiation for its customers. Through its rich heritage of optical innovation, Oclaro is leading in the high-speed segments of the optical communications market at 40G and above. These solutions are targeted at the following markets:



Telecom Optical Networks

Telecom Optical Networks are at the heart of the internet highway that provides the bandwidth, speed, reach, and flexibility to run new and exciting applications such as streaming video, social media, cloud computing and voice over IP. These telecom networks cover not only the classic long haul and Metro/Regional transport markets, but also new emerging segments in packet optical transport and data center interconnect. Packet transport networks take advantage of a variety of technologies such as Carrier Grade Ethernet switches, IP switches, and routers which have been widely deployed in network architectures for mobile backhaul, video transmission, data, and other digital services. Data center interconnect is the networking of two or more different data centers to achieve more efficient scalability and higher productivity for businesses and IT departments. This interconnectivity between separate data centers (from a few 10's kms up to 100's kms) enables them to work together, share resources, and/or pass workloads between one another. With its vertically integrated III-V technology, Oclaro is uniquely positioned to take full advantage of this complex and rapidly evolving market segment. As a leading supplier of optical products at the component, transceiver, and module level, including tunable lasers, receivers, and modulators that are needed for high speed transmission, Oclaro leads in the fastest growing 100G segment.



Enterprise Networks and Data Centers

Today's businesses run on IT to enable productivity efficiencies as well as enhancing a company's business continuity and market competitiveness. With the mobile and compute world that we work, live, and play in, there are ever increasing demands to support intensive data traffic for business and personal use. A data center is the epicenter for the storage, networking, and computing capacity needed to run a business productively. Data centers can be very complex (hyper scale) or simple (an area or room that houses only a few servers.) In larger data centers, high-speed optical interconnects provide data center operators with a return on investment through higher density, lower power consumption and improved latency. Based on its technology heritage, Oclaro is a leading supplier of client-side optical transceivers at 10G, 40G, and 100G, supporting various industry multi-source form factors and both standard and non-standard link distances into this rapidly growing market.

Top-Tier Customer Base

Oclaro is committed to being the preferred supplier of optical components, modules and subsystems and delivering innovation across all of our product areas, business processes and practices. Top-tier customers that we partner with include:

**ADVA • Arista • Ciena • Cisco • Coriant • Ericsson
Fiberhome • Huawei • Infinera • Juniper • Nokia • ZTE**

Product Portfolio

Oclaro products leverage photonic technologies to transmit and receive data across fiber optic networks. These products enable telecommunications and data communications customers to increase network bandwidth, reduce latency, and offer new services to their customers flexibly and cost effectively. At a high level, Oclaro products include:

**Tunable and fixed lasers and transmitters • Lithium niobate modulators
Receivers • Transceivers • Coherent pluggable modules**



Worldwide Support and Manufacturing Strength

To provide strong and localized customer support across the globe, Oclaro maintains R&D and product/sales support in Europe, Japan, the U.S. and China. Its worldwide manufacturing operations leverage innovation and vertical integration to provide customers with flexibility and faster time to market. Oclaro combines in-house and outsourced manufacturing to maximize flexibility and customer support. It operates R&D and chip fabrication facilities in the U.S., U.K., Italy, and Japan; in-house and contract manufacturing sites in the U.S., China, Malaysia and Thailand; and design, sales and service organizations in each of the major regions around the world.

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