

Optical Modulators: Market Shares, Strategies and Forecasts Worldwide 2018 to 2024

This 2018 study has 272 pages, 168 tables, and figures. The vendors in the optical modulator industry have invested in high-quality technology and processes to develop leading edge broadband network capability a being implemented in the mega data centers.

Two companies in the optical modulator industry jump out: Lumentum and Lightwave Logic.

Lumentum is using optical modulators to implement Lidar for self-driving cars. This is the be all and end all technology to support automated auto navigation, to make the new electric cars operate in a manner that is credible and useful.

Lightwave Logic is positioned to bring PIC (Photonic Integrated Circuit) based technologies to market in various roles that include Solar, LED lighting, and Integrated Photonics for fiber communications. High speed polymer based integrated photonics is part of a polymer PIC platform at Lightwave Logic Inc. The molecular level design provides performance, stability and cost-efficiency. They have the potential to replace more expensive, lower-performance materials and devices used in fiber-optic ground, wireless and satellite communication networks.

That being said, virtually every company profiled is very interesting, well positioned in an explosively growing market. 400G optical transceivers market driving forces relate primarily to the implementation of networks within the mega data centers and the interconnects between the data centers. Self-driving cars, smart cities, telemedicine, and the Internet are market segments served by optical modulators.

According to Susan Eustis, leader of the team that prepared the research:

Optical modulators bring efficiency and far lower prices to 100G and 400G data transport markets. HPC, high-performance computing, and mega data centers that implement broadband networks in cloud computing environments form the basis of the new industrial revolution. Video, Internet adoption, and tablets drive demand for broadband mega data centers. Markets are influenced by apps, augmented reality. IoT, the move to cloud computing and the adoption of smart phones by 9.5 billion people by 2020. Mega data centers that support online commerce, streaming video, social networking, and cloud services for every industry are expected to adopt 400G optical transceivers as a fundamental technology. Software as a Service (SaaS) is a primary offering that will leverage 400 G optical transceivers in the mega data center.

The global optical modulator market at \$2 billion in 2017 is expected to be \$22.6 billion in 2024 driven by the availability and cost effectiveness of 100 Gbps, and 400 Gbps devices. Next generation optical modulator devices use less power, are less expensive and are smarter and smaller. The adoption of the widespread use of the 100 Gbps devices, followed by 400 Gbps devices and the vast increases in Internet traffic are core to helping manage change in the large mega data center and communications interconnect and automobile navigation and infrastructure markets.

Report Methodology:

This is the 803rd report in a series of primary market research reports that provide forecasts in robots, communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are priorities in topic selection. The project leaders take direct responsibility for writing and preparing each report. They have significant experience in preparing industry studies. Forecasts are based on primary research and proprietary databases. This Optical Modulators study is based on tracking integration software and dynamic processing that provides significant insight into the technology of Optical Modulators. Experience implementing broadband networking and mobile systems for different technologies using the Optical Transceivers have been evaluated in many different contexts. Evaluation of the changes brought to the supply chain and transaction processing by the Internet are among factors that contribute to the development of triangulation regarding market forecasts for the sector.

The primary research is conducted by talking to customers, distributors, and companies. The survey data is not enough to make an accurate assessment of market size, so the publisher looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is unsurpassed in the industry. The researchers are known for being able to develop accurate market shares and projections.

The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

For more information please click on:

[Optical Modulators: Market Shares, Strategies, and Forecasts, Worldwide](#)

To order online, please click [here](#). If you require any assistance, feel free to contact me.

Thank you for your consideration.

Best Regards,

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