



## Applied Optoelectronics Showcases New Products at OFC

March 1, 2019

SUGAR LAND, Texas, March 01, 2019 (GLOBE NEWSWIRE) -- Applied Optoelectronics, Inc. (NASDAQ: AAOI), a leading provider of fiber-optic access network products for the internet datacenter, cable broadband, telecom, and fiber-to-the-home (FTTH) markets, will be demonstrating its latest transceiver product portfolio at the **Optical Fiber Communications (OFC)** conference that is taking place on March 5-7, in San Diego, California at **booth #2431**.

At the conference, AOI will be showcasing its newest 400G datacenter products, including:

- **DR4/FR4 400G transceiver family.** As consumers continue to demand greater bandwidth, the migration from 100G to 400G will be the next vital step in data center architecture. AOI will be unveiling its 400G product line with DR4/FR4-type transceivers in both QSFP-DD and OSFP form factors. These 400G transceivers can interconnect between a current 100G network and the next-generation 400G network. Both transceiver families use four 100G PAM4 optical lanes with a link distance up to 2km. They can be routed to four 100G QSFP28 DR/FR transceivers, allowing data centers to operate with a mixture of 400G and 100G products in the aggregation and core layers within the datacenter. These transceivers are compliant with the IEEE 802.3-2018 and 100G Lambda MSA, both of which are intended for 400G datacenters, Ethernet and cloud networks.
- **QSFP-DD form-factor LR8 transceiver.** AOI will be presenting the 400G QSFP-DD LR8 transceiver, which can be used for data center applications up to 10km. The 400G LR8 addresses the critical early deployment phase of 400G in datacenters, where there is a need for 400G devices with native 50G per lane data rate. The transceiver combines 8 data lanes with 50 Gbps per lane into a single QSFP module, which is made possible by AOI's previously-announced 50G PAM-4 directly modulated laser (DML).

In addition to datacenter products, AOI is also announcing a new product for use in 5G mobile networks:

- **50 G LR transceiver in QSFP form-factor.** The 50G QSFP28 LR also uses AOI's high-performance 50G DML PAM4 laser chip, embedded in a high reliability package intended for ruggedized environments often encountered in mobile telecom applications. This product was designed to meet customer requirements for the middle haul and back haul of 5G mobile networks.

At OFC, AOI will have live demonstrations of their latest transceiver product portfolio, including the 400G QSFP-DD DR4, 400G OSFP DR4/FR4, 400G QSFP-DD LR8, 100G QSFP28 DR/FR, and 50G QSFP28 LR transceivers.

In addition to the products showcased at the booth, AOI's Dr. Mingshan Li will be presenting a paper entitled "Demonstration of 100 Gbps per Lambda PAM4 Transmission with 1310 nm and 1330 nm Directly Modulated Lasers" The paper is scheduled to be presented in the "III-IV Lasers" session beginning on Wednesday, March 6 at 2:00 PM.

AOI will be hosting private demonstrations of their transceivers at booth #2431 at OFC 2019 in San Diego, CA. To schedule an appointment, please contact Willis Chen at [wchen@ao-inc.com](mailto:wchen@ao-inc.com).

### About Applied Optoelectronics

Applied Optoelectronics Inc. (AOI) is a leading developer and manufacturer of advanced optical products, including components, modules and equipment. AOI's products are the building blocks for broadband fiber access networks around the world, where they are used in the internet datacenter, CATV broadband, telecom and FTTH markets. AOI supplies optical networking lasers, components and equipment to tier-1 customers in all four of these markets. In addition to its corporate headquarters, wafer fab and advanced engineering and production facilities in Sugar Land, TX, AOI has engineering and manufacturing facilities in Taipei, Taiwan and Ningbo, China. For additional information, visit [www.ao-inc.com](http://www.ao-inc.com).

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