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Applied Optoelectronics Announces 100 Gbps Optical Engine

SUGAR LAND, Texas, Oct. 5, 2015 (GLOBE NEWSWIRE) -- Applied Optoelectronics, Inc. (NASDAQ:AAOI), a leading provider of fiber-optic access network products for the internet datacenter, cable TV broadband, and fiber-to-the-home markets, today announced a new optical engine for use in 100 Gigabit per second (Gbps) transceivers for datacenter applications.

The new optical engine combines four AOI laser diodes, a receiver array, an optical fiber array and the associated drive electronics into a single optical subassembly that is the major building block required for assembly of a 100 Gbps parallel single-mode (PSM4) transceiver. These transceivers are designed to address the growing market demand for 100G optics and are expected to be used in next generation datacenter interconnects to facilitate higher data throughput between servers and switches.

"Given our established leadership and expertise in manufacturing advanced optics, coupled with our history of innovation in highly integrated optical modules, AOI is at the forefront in developing leading edge light engines that enable the market transition to 100G speeds," commented Dr. Fred Chang, AOI's Senior Vice President of the Optical Component Business Unit. "We expect this device to be a critical building block for QSFP-28 transceivers using the PSM4 optical interface."

The light engine features:

- | 25 Gbps laser diodes manufactured in AOI's state-of-the-art MBE fab in Texas
- | High reliability non-hermetic design for cost efficiency
- | Integrated laser diode drivers and trans-impedance amplifiers
- | Proprietary housing design for improved heat dissipation
- | Both MSA-compatible and fiber-pigtail versions available

The light engines are available now in sample quantities with volume production expected this year. For detailed specifications and drawings, please contact your AOI sales engineer, or sales@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 and fiber-to-the-home markets. AOI supplies optical networking lasers, components and equipment to tier-1 customers in all three 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.

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