



## **EMCORE Introduces 40 and 100 Gbps CFP Optical Transceiver Modules for Ethernet Applications**

ALBUQUERQUE, N.M., March 5, 2012 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optics and solar power markets, announced today the new 40 Gigabits per second (Gbps) and 100 Gbps Form-factor Pluggable (CFP) optical transceiver modules for 40 and 100 Gigabit Ethernet (GbE) short reach applications, respectively. This highly flexible form-factor supports 40GBASE-SR4 and 100GBASE-SR10 optical interfaces with link distances up to 150 meters over multimode optical fiber and facilitates system design options including Ethernet rack-to-rack, ganged serial links, logic-logic data links, board-to-board and shelf-to-shelf configurations.

The SR4 CFP transceiver module is a 4-channel design with four synchronous 10.3125 Gbps electrical input lanes. The SR10 CFP transceiver module is a 10-channel design with ten synchronous 10.3125 Gbps electrical input lanes. In both modules electrical signals are retimed by a multi-lane data clock recovery unit and then converted to optical signals using a multi-lane laser driver and EMCORE Gallium Arsenide (GaAs) 850 nm wavelength Vertical Cavity Surface Emitting Laser (VCSEL) array. The optical signals are converted to electrical signals using an EMCORE GaAs PIN photodetector array, along with a multi-lane transimpedance amplifier and are retimed and delivered to the host.

Both the EMCORE SR4 and SR10 CFP transceivers are hot-pluggable and hot-swappable and have control and monitoring functions that are accessed through the microcontroller via a two-wire serial MDIO (Management Data Input/Output) port. The electrical interface consists of a 148-pin edge-connector compliant with the CFP MSA industry standard.

"These new CFP transceiver modules utilize our latest VCSEL and photodetector technology and are designed to power next-generation capabilities that service providers are demanding," commented Jaime Reloj, EMCORE's Vice President of Business Development. "By leveraging our in-house optoelectronic component capability, we can optimize optical performance and tailor solutions to very specific customer needs. EMCORE will continue to advance the technology for high-performance data and telecommunications and demonstrate the same quality, reliability, on-time delivery and competitive pricing our customers have come to expect."

EMCORE will be at the 2012 Optical Fiber Conference (OFC) at the Los Angeles Convention Center, March 6-8 in the Corporate Village, suites 2555 and 2557.

### **About EMCORE**

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the broadband, fiber optics, satellite and solar power markets. EMCORE's Fiber Optic segment offers optical components, subsystems and systems for high-speed data and telecommunications networks, cable television (CATV) and fiber-to-the-premise (FTTP), as well as specialty photonics technologies for defense and homeland security applications. EMCORE's Photovoltaic segment provides products for both satellite and terrestrial applications. For satellite applications, EMCORE offers high-efficiency Gallium Arsenide (GaAs) solar cells, Covered Interconnect Cells (CICs) and panels. For terrestrial applications, EMCORE is adapting its high-efficiency GaAs solar cells for use in solar concentrator systems. For further information about EMCORE, visit <http://www.emcore.com>.

### **Forward—looking statements:**

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding the company's expectations, goals or intentions, including, but not limited to, product features and their benefits, product quality and network growth. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about the company and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements. Risks and uncertainties that could cause the company's actual results to differ from those set forth in any forward-looking statement are discussed in more detail under "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the company's SEC filings. Forward-looking statements contained in this press release are made only as of the date hereof, and the company undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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