



September 24, 2014

EMCORE Launches 7840 DOCSIS 3.1 Low Noise CATV Optical Receiver and Medallion 2100 Optical A/B Switch at SCTE Cable-Tec Expo

ALBUQUERQUE, N.M., Sept. 24, 2014 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optics and space solar power markets, announced today the release of the 7840 DOCSIS 3.1 Low Noise CATV Optical Receiver and the Medallion 2100 Optical A/B Switch for CATV (Cable Television) applications. The new 7840 is the latest model in EMCORE's family of high-speed optical receivers and is fully compliant with the new DOCSIS 3.1 standard, supporting operational bandwidth up to 1.2 GHz. The Medallion 2100 Optical A/B Switch is a high-performance solution for network protection and optical redundancy in CATV/FTTx networks.

DOCSIS (Data Over Cable Service Interface Specification) is the standard that facilitates the addition of high-speed data transfer over existing CATV systems for internet access through cable television services. DOCSIS 3.1 is the latest version being adopted by cable companies to deliver greater capacity and speed. It allows for up to 50 percent more data throughput over the same spectrum to deliver up to 10 Gbps downstream and 1 to 2 Gbps upstream. DOCSIS 3.1 also decreases the cost-per-bit for data delivery by improving the efficiency of spectrum use and increasing the energy efficiency of cable modems.

The 7840 DOCSIS 3.1 Low Noise Optical Receiver is a single-mode fiber pigtailed module featuring a low noise, impedance-matched broadband photodiode and RF amplification. The device receives optical analog and/or digital signals for a range of video broadcast options and delivers the corresponding RF electrical output. The wide bandwidth supports the delivery of any combination of analog and digital channels up to 1.2 GHz of spectrum.

The Medallion 2100 A Optical A/B Switch is the latest addition to the popular Medallion family of rack mountable CATV optical transmission elements. It is packaged in a convenient 1 RU rack-mountable housing and provides an automatic or manual fiber switching function to protect the network from inadvertent service outages due to up-stream optical signal degradation. Each fiber's optical signal power level is continuously monitored, as is an adjustable optical trip threshold for each channel. Derived from the feature rich Medallion series software and hardware base platform, the Medallion 2100 series is a low power, cost-effective, high-performance switching solution for applications that demand reliable and rapid response to changing network conditions. Multiple standard configurations are available including up to 4 independent optical switches in a single housing. Custom configurations are also available.

"We are excited to launch these latest additions to our extensive line of CATV components and systems at SCTE Cable-Tec Expo this year. The 7840 DOCSIS 3.1 CATV optical receiver can be used in both 1310 nm and 1550 nm applications at different points of a given network and expands our line of DOCSIS 3.1 components, which also includes the 1616A and 1752A lasers," said Gyo Shinozaki, Director of Marketing for EMCORE's CATV products. "The Medallion 2100 is capable of manual switching or can be switched remotely via SNMP adding optical protection to many system applications," added Shinozaki.

EMCORE will be debuting the new 7840 DOCSIS 3.1 Low Noise CATV Optical Receiver and demonstrating the Medallion 2100 Optical A/B Switch at the Society of Cable Television's (SCTE) Cable-Tec Expo in Booth #1505, September 23-25 at the Colorado Convention Center, Denver, Colorado.

About EMCORE

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the fiber optics and space solar power markets. EMCORE's Fiber Optics business segment provides optical components, subsystems and systems for high-speed telecommunications, Cable Television (CATV) and Fiber-To-The-Premise (FTTP) networks, as well as products for satellite communications, video transport and specialty photonics technologies for defense and homeland security applications. EMCORE's Solar Photovoltaics business segment provides products for space power applications including high-efficiency multi-junction solar cells, Covered Interconnect Cells (CICs) and complete satellite solar panels. 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 EMCORE's expectations, goals or intentions, including, but not limited to, financial performance, production schedules, expected customer sales, product features and their benefits, product quality and product performance. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about

EMCORE 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 EMCORE's actual results to differ from those set forth in any forward-looking statement are discussed in more detail in EMCORE's SEC filings available at www.sec.gov, including under the headings "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations." Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE 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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