Spectra7 Achieves Robust Error-Free 400Gbps Ethernet Traffic With Industry Leading Keysight's Ixia Test System

Ground-breaking Performance Sets Stage for Adoption by Large Scale Cloud & Hyperscale Data Centers

SAN JOSE, Calif.--(BUSINESS WIRE)--June 5, 2018--(TSX:SEV) Spectra7 Microsystems Inc. ("Spectra7" or the "Company"), a leading provider of high-performance analog semiconductor products for broadband connectivity markets, today announced the successful achievement of testing Spectra7's QSFP-DD Active Copper Cable (ACC) technology with the industry leading K400 test system from Ixia, a Keysight business, demonstrating robust error-free 400Gbps Ethernet traffic.

GaugeChanger™ is an innovative and disruptive technology that allows copper to extend much longer lengths without the cost and power penalty of optics. It works equally well at 25Gbps NRZ and 50Gbps PAM4 enabling new connector standards of 100/200/400 Gbps.

ACCs represent a breakthrough solution for hyperscale and cloud providers that want to increase speed and density without the cost and power penalty of optical solutions. Spectra7's GaugeChanger™ QSFP-DD solution enables copper lengths up to 7 meters (over 3 times longer than passive copper) and at up to 90% lower power and half the cost of optical solutions.

"Keysight continues to lead the market in bringing proven validation solutions like the K400 load module to market," said Sunil Kalidindi, vice president of product management at Keysight. "Companies like Spectra7 look to us for proven test and measurement technology to ensure that they provide their customers with solutions that work. We are proud to work with Spectra7 to demonstrate robust error-free 400Gbps traffic."

"We are thrilled to be working with Keysight, the leader in 400G Ethernet test solutions," said Spectra7 CEO Raouf Halim. "Having them interoperate and validate our technology is a major milestone and sets the stage for broad adoption of our technology."

The K400 400GE validation solution from Ixia, a Keysight business, enables full line-rate traffic generation including transmit, receive, and capture, FEC, and Bit Error Rate testing functionality from 64B to 14,000B frame lengths, and comprehensive Layer 2/3 routing protocol emulation coverage. This ensures that 400GE solutions meet the performance, scale and quality requirements required by the industry. The K400 test system facilitates stress testing, hardware/ASIC development, optics and cable qualification, interoperability and functional testing.

ABOUT SPECTRA7 MICROSYSTEMS INC.

Spectra7 Microsystems Inc. is a high-performance analog semiconductor company delivering unprecedented bandwidth, speed and resolution to enable disruptive industrial design for leading electronics manufacturers in virtual reality, augmented reality, mixed reality, data centers and other connectivity markets. Spectra7 is based in San Jose, California with design centers in Markham, Ontario, Cork, Ireland, and Little Rock, Arkansas. For more information, please visit www.spectra7.com.

CAUTIONARY NOTES

Certain statements contained in this press release constitute "forward-looking statements". All statements other than statements of historical fact contained in this press release, including, without limitation, those regarding the Company's future financial position and results of operations, strategy, proposed acquisitions, plans, objectives, goals and targets, and any statements preceded by, followed by or that include the words "believe", "expect", "aim", "intend", "plan", "continue", "will", "may", "would", "anticipate", "estimate", "forecast", "predict", "project", "seek", "should" or similar expressions or the negative thereof, are forward-looking statements. These statements are not historical facts but instead represent only the Company's expectations, estimates and projections regarding future events. These statements are not guarantees of future performance and involve assumptions, risks and uncertainties that are difficult to predict. Therefore, actual results may differ materially from what is expressed, implied or forecasted in such forward-looking statements. Additional factors that could cause actual results, performance or achievements to differ materially include, but are not limited to the risk factors discussed in the Company's annual MD&A for the year ended December 31, 2016. Management provides forward-looking statements because it believes they provide useful information to investors when considering their investment objectives and cautions investors not to place undue reliance on forward-looking information. Consequently, all of the forward-looking statements made in this press release are qualified by these cautionary statements and other cautionary statements or factors contained herein, and there can be no assurance that the actual results or developments will be realized or, even if substantially realized, that they will have the expected consequences to, or effects on, the Company. These forward-looking statements are made as of the date of this press release and the Company assumes no obligation to update or revise them to reflect subsequent information, events or circumstances or otherwise, except as required by law.

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