

NeoPhotonics 400G ZR Modules Support Extended Operation up to 80C Case Temperatures

NeoPhotonics 400G ZR Modules Reduce System Cooling Requirements and Save Electrical Power in Data Centers

SAN JOSE, Calif. — February 25, 2021 - NeoPhotonics Corporation (NYSE: NPTN), a leading developer of silicon photonics and advanced hybrid photonic integrated circuit-based lasers, modules and subsystems for bandwidth-intensive, high speed communications networks, today announced availability of its extended case temperature QSFP-DD 400G ZR modules.

These 400G ZR modules utilize NeoPhotonics' industry leading coherent optical components including its Silicon Photonics Coherent Optical Subassembly (COSA) and low power consumption, ultra-narrow linewidth Nano-ITLA tunable laser. Each of these components can be operated over a wide module case temperature range up to 80C. This enables the NeoPhotonics 400G ZR modules to be deployed in extended temperature datacenter environments while reducing cooling requirements and fan power.

“The ability of 400G ZR vendors to offer thermally-optimized designs capable of supporting higher case temperatures will significantly help reduce system cooling requirements,” said Dr. Hacene Chaouch, Distinguished Engineer at Arista Networks. “This is an important consideration for implementing power efficient data center interconnect architectures.”

“We are pleased to support customers with high performance 400G ZR modules that operate across a wide thermal envelope, without sacrificing optical performance.” said Tim Jenks, Chairman and CEO of NeoPhotonics. “By utilizing our leading high speed coherent components technology and optimizing the entire optics suite through in-house design, we are able to favorably benefit data centers need to reduce power consumption and improve environmental sustainability,” concluded Mr. Jenks.



Shown are 36 NeoPhotonics QSFP-DD 400ZR Modules Operating in an Arista Switch

About NeoPhotonics

NeoPhotonics is a leading developer and manufacturer of lasers and optoelectronic solutions that transmit, receive and switch high-speed digital optical signals for Cloud and hyper-scale data center internet content provider and telecom networks. The Company's products enable cost-effective, high-speed over distance data transmission and efficient allocation of bandwidth in optical networks. NeoPhotonics maintains headquarters in San Jose, California and ISO 9001:2015 certified engineering and manufacturing facilities in Silicon Valley (USA), Japan and China. For additional information visit www.neophotonics.com.

Legal Notice Regarding Forward-Looking Statements

This press release includes statements that qualify as forward-looking statements under the Private Securities Litigation Reform Act of 1995, including anticipated performance of NeoPhotonics' products. Readers are cautioned that these forward-looking statements involve risks and uncertainties and are only predictions based on the company's current expectations, estimates and projections. The actual company results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks, uncertainties and assumptions. Certain risks and uncertainties that could cause the company's results to differ materially from those expressed or implied by such forward-looking statements as well as other risks and uncertainties relating to the company's business, are described more fully in the Company's Annual Report on Form 10-K for the year ended December 31, 2019 and its Quarterly Report on Form 10-Q for the quarter ended September 30, 2020, filed with the Securities and Exchange Commission.

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