

Nistica expands lineup of ultra-compact high port-count wavelength selective switches and linecards for next-generation networks

L-band high-port count Full Fledge twin WSS for doubling network capacity and MxN WSS for multi-directional connectivity add to Nistica portfolio

BRIDGEWATER, NEW JERSEY, USA – Nistica, a leading supplier of agile optical networking solutions, today announced two new wavelength selective switches (WSS) designed for next-generation high-capacity route-and-select architectures. The first product is an L-band twin WSS module optimized for transmission in the long-wavelength band enables the doubling of capacity for operators interested in optimizing fiber capacity. The second offering is a twin MxN WSS that allows system integrators to offer multi-directional connectivity in mesh networks.

Both new products have the same form factor as Nistica's current low port-count and high port-count switches, and can be driven via similar software interfaces, making integration into new linecards easier and reducing development cycle times for customers. Offering the full complement of features already in their sibling C-band twin 1x20 WSS, these single-slot ROADM solutions offer flexible channel planning, channel contouring and ultra-sharp filter shapes that enable extended reach for high-capacity data encoding formats such as 16-QAM.

The L-band WSS is offered in twin 1x9 and twin 1x20 port options, while the twin MxN WSS is software programmable to configure M inputs and N outputs, where $M + N = 21$. Available as a stand-alone WSS module, or integrated into one of Nistica's high-density single-slot Reconfigurable Optical Add Drop Multiplexer (ROADM) solutions, the new arrivals are currently being integrated by Tier-1 Network Equipment Manufacturers offering up the first high-capacity, multi-directional, flexible-grid network solutions.

These cost-effective, small form-factor products will be manufactured by Fujikura Fiber Optics Vietnam, Fujikura's manufacturing subsidiary, with high-volume manufacturing expected to start later this year.

"We continue to build on our experience in small form-factor WSS modules and have now expanded our offering to meet the needs of networks that demand ever-increasing capacity and software-defined flexibility," remarked Dario Falquier, Vice President of Sales & Marketing of Nistica, "Our key customers have been impressed at our ability to continue to innovate and provide the next-generation solutions at the right price-points."

Nistica will demonstrate the performance of twin L-Band and twin MxN WSS modules at the Optical Fiber Communications conference (OFC) being held in Anaheim, California, March 21 – 24, 2016. At OFC, Nistica Chief Technology Officer Thomas Strasser will teach a short course on ROADM Technologies and Network Applications (SC261).

About Nistica

Nistica is a global supplier of agile optical modules that simplify, automate and make affordable the delivery of high-bandwidth applications, enabling systems providers across multiple industries to meet ever-increasing demand. Formed in January 2005, Nistica is now a subsidiary of Fujikura, partnering with Texas Instruments, NTT Electronics and other industry leaders to expand its global reach and scale production. For more information, visit the company website, www.nistica.com