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Press Release

LAMBDA OPTICALSYSTEMS' CARRIER-GRADE LAMBDANODE 3000 OXC SYSTEM DRAMATICALLY REDUCES CAPEX AND OPEX, ENABLES RAPID PROVISIONING OF HIGH-BANDWIDTH SERVICES

LambdaNode OXC creates dynamic and survivable application-driven optical networks and enables carriers to provide virtual private networks

ANAHEIM, CA, MARCH 7, 2006 – Lambda OpticalSystems, the leading developer of intelligent integrated all-optical switching solutions, today announced the availability of its Lambda Node 3000 Optical Cross-Connect (OXC) system, the newest entry in the LambdaNode all-optical product family. Lambda OpticalSystems' intelligent OXC incorporates an all-optical fabric with dynamic GMPLS control plane for metro and long-haul locations, gives carriers faster provisioning of wavelength, waveband or fiber signals, and adds dynamic protection and restoration to static DWDM transport networks.

The LambdaNode 3000 all-optical OXC and software reduces CAPEX and OPEX by using lower-power all-optical technology and dynamic control plane. Adding the LambdaNode 3000 to an existing wave division multiplexing (WDM) network creates the ability for carriers to provide intelligent path routing, mesh network protection that make networks more dynamic and survivable. The system is designed to upgrade an existing static, single- or multi-wavelength optical transport network into a dynamic application-driven optical network.

"Lambda's new OXC will address many shortcomings of current OEO-based OXCs," said Irfan Ali, Lambda CEO. "Because the LambdaNode 3000 OXC does not require OEO conversions, optical signals remain in native format and switch in an all-optical manner that decreases latency and provides a deterministic path to support grid networks and eScience applications."

"The new LambdaNode 3000 OXC will be a significant offering for the Japanese market," said Junichi Maruta, General Manager, Telecom System Planning Department, CTC Japan, a Lambda partner. "Many Japanese telecommunications carriers are rapidly moving toward IP over Optical - Next Generation Networks."

The carrier-grade design of the LambdaNode 3000 OXC provides fully redundant system control and switch fabric for high-availability operations. Optical ports, which can handle single or multiple lambdas, are scalable to any speed from 50Mbs to 40Gbs, with no need to upgrade fabric for higher port speeds. Other features of the OXC system include:

- Support for 1+1 path protection
- High density of 128x128 full duplex ports for medium and large switch applications
- Scalability to 256x256 port fabric within the same system bay.

Optical Test Port

The LambdaNode 3000 Optical Test Port feature provides automatic topology discovery and circuit verification in optical networks. Based on standardized GMPLS Link Management Protocol (LMP) procedures, the Optical Test Port provides the following capabilities:

- Enables discovery of neighbor-to-neighbor connectivity in optical WDM networks
- Allows automated verification of an end-to-end optical circuit

OFC conference attendees can learn more about Lambda OpticalSystems' LambdaNode 3000 OXC and the LambdaNode 2000 intelligent integrated all-optical switch by visiting the company at booth # 3503.

About Lambda OpticalSystems

Based in Reston, Virginia, Lambda OpticalSystems is committed to the development of next-generation all-optical solutions to transform transport networks. The company's family of all-optical switches with integrated DWDM and GMPLS control plane lets telecommunications carriers, government agencies, and research and education networks deliver high-bandwidth services while maximizing network management efficiency and affordability. For more information, call 703-689-9500, ext.1006, or visit www.lambdaopticalsystems.com.

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