

Ekinops' new flexible rate module offers 400G capacity

Improved coherent solution cuts cost in half

PARIS, June 23, 2016 – [Ekinops](#), a leading supplier of next-generation optical network equipment, introduces a new flexible rate transponder/muxponder line which allows network operators to quickly and easily double their transport capacity.

Using an advanced Digital Signal Processor (DSP) combined with Ekinops' enhanced T-Chip (Transport-on-a-Chip) technology to support both DP-QPSK and 16QAM modulation formats on a single line card, Ekinops is able to deliver a low-cost, programmable 400G solution. With this capability, operators can double the capacity of any span through a simple software upgrade from a remote Network Operation Center without having to remove or replace hardware, while at the same time cutting their cost per transported bit in half.

This level of programmability allows the same module to be used for any transport application from metro to ultra-long-haul. In 16QAM mode, the module supports distances of up to 1,000 kilometers while in DP-QPSK mode, the module reaches up to 10,000 kilometers. Operators also benefit from the ability to spare a single module for multiple applications, helping to keep their operational costs low. With multi-protocol support for 10, 40 and 100 GigE as well as 8G, 10G and 16G Fibre Channel, OC-192, STM-64, OTU2 and OTU2e in any combination up to the full line rate, the equipment provides the same client service flexibility as it does on the line side.

"400G is a top priority for network operators and we are seeing more and more demand for flexible rate functionality," said François Xavier Ollivier, COO at Ekinops. "Network operators need a faster and easier way to increase bandwidth without increasing network costs, especially on their highest capacity routes."

"The problem for many operators is that some of these routes are long-haul while others are metro, which typically requires having multiple line cards on hand and in inventory. The ability to double the line rate in minutes without having to dispatch a technician provides a compelling value proposition."

The new module will be available in the third quarter.



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About Ekinops

Ekinops is a leading supplier of next generation optical transport equipment for telecommunications service providers. The Ekinops 360 addresses Metro, Regional, and Long-Haul applications with a single, highly-integrated platform. Ekinops is a market-leading innovator in 100G and 200G transport with a coherent line of products that truly optimizes optical networks and comes in 1RU, 2RU or 7RU chassis. The Ekinops 360 relies on the highly-programmable Ekinops T-Chip[®] (Transport-on-a-Chip) architecture that enables fast, flexible and cost-effective delivery of new services for high-speed, high-capacity transport. Using the Ekinops 360 carrier-grade system, operators can simply increase capacity of their networks – CWDM, DWDM, Ethernet, ESCON, Fibre Channel, SONET/SDH, and uncompressed video (HD-SDI, SD-SDI, ASI). Ekinops is headquartered in Lannion, France, and Ekinops Corp., a wholly-owned subsidiary, is incorporated in the USA.



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For more information, visit www.ekinops.net