



Press Release

Ekinops Introduces 100G Transport and Aggregation for Metro, Regional and Long-Haul Networks

PARIS, October 12, 2011 – [Ekinops](#), a leading supplier of next-generation optical equipment, today announced two key products that enable telecommunications service providers to transport traffic at 100 gigabits per second and keep up with the ever-increasing bandwidth needs of their customers.

The 100G transponder and muxponder will provide for both native transport of 100GbE as well as aggregation of lower rates into 100GbE network connections. They share the same hardware and highly-programmable architecture delivering maximum flexibility for deployment and network evolution. These capabilities allow service providers to both address their customers' needs for high speed Ethernet services and to increase their networks' overall capacity for lower rate connections. Ekinops' newest products will be commercially available by the end of 2011.

The new products are part of the Ekinops 360 product line and can be utilized in new deployments, to upgrade existing Ekinops 360 deployments, or to upgrade other 3rd party line systems. The Ekinops 360 transport system provides DWDM and CWDM (Dense and Coarse Wave Division Multiplexing) on a single platform for metro, regional and long-haul transport.

Both systems leverage the capabilities of Ekinops' [T-Chip](#) (*TRANSPORT-ON-A-CHIP TECHNOLOGY*) which concentrates the equipment's transport intelligence into a highly compact and efficient design. This serves to reduce costs, footprint, ongoing power consumption and manufacturing delivery times to customers.

In this case, the T-Chip provides industry-leading Forward Error Correction (FEC), maximizing the systems' distance performance and reducing latency, so that service providers can take full advantage of the massive capacity that the transponder and muxponder provide.

The T-Chip also enables Ekinops' new products to more efficiently aggregate lower rate traffic and work effectively with a broad range of protocol types.

"The T-Chip will help us provide a better performing and more flexible 100G solution," said Rob Adams, Vice President of Global Marketing. "Just as Ekinops has led the industry in



FEC and lower rate traffic aggregation at 10G, we will do the same with 100G. And because the T-Chip is our own design and programmable, we can offer enhanced performance and superior aggregation very cost-effectively and ahead of the rest of the industry.”

The Ekinops 100G products support the CFP 100G client interface standards and utilize industry standard DP-QPSK line modulation with a coherent receiver.

The Ekinops 360 platform also offers industry-leading features such as DynaMux[®], dynamic multiplexing functionality that allows multiplexing of any mix of protocols over a single wavelength and over any protocol on that wavelength; the industry’s leading forward error correction, DynaFEC[®], enabling longer reach using software; and WaveBonding[®], the industry’s only low-cost, long-reach 40G technology that reutilizes your investment in 10G when migrating to 40G.

About Ekinops

Ekinops is a leading designer and supplier of next generation optical transport equipment for service providers and enterprise customers. The Ekinops 360 Dynamic, Multi-Reach Transport System provides DWDM and CWDM on a single platform that addresses Metro, Regional, and Long Haul applications. The Ekinops 360 system relies on the innovative, programmable Ekinops T-Chip[®] (Transport-on-a-Chip technology) that enables fast, flexible and cost-effective service delivery for building high speed optical networks. Using the Ekinops 360 carrier-grade system, operators can increase transport capacity of their networks – CWDM, DWDM, Ethernet, ESCON, Fibre Channel, SONET/SDH, and uncompressed video (HD-SDI, SD-SDI, ASI) – through the industry’s most efficient aggregation of services. The company is headquartered in Lannion, France, with offices in Europe, the USA, Canada and Asia. For more information, visit Ekinops at www.ekinops.net.

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