



PRESS RELEASE

MergeOptics, GmbH
Berlin, Germany

OFC2005 Booth 2259

MergeOptics Delivers 2nd Generation X2 LX4 Modules Fully Compliant To X2 MSA

Berlin Germany, -- March 2, 2005 MergeOptics, GmbH a leading supplier of highly integrated, low power fiber optic components and subsystems, proudly announced today the availability of the next generation of LX4 products. The X2 LX4 transponder is fully compliant to X2 MSA 3.0 and is capable of data rates up to 10.3125 Gb/s over 300 meters of legacy 62.5 micron multi-mode fiber (MMF) and 10km over single-mode fiber (SMF).

LX4 technology is the only proven 10GbE standard that exists for 300m installed legacy multi-mode fiber, providing the ability to increase data transmission rates from 1Gigabit Ethernet to 10 Gigabit Ethernet over the existing fiber infrastructure. MergeOptics X2 LX4 transponders are fully compliant to the IEEE 802.3ae standard for 10GBase-LX4 and provide connectivity over existing multi-mode or single-mode fiber.

MergeOptics X2 LX4 is a highly integrated optical transponder designed for high-speed 10Gbit/s data transmission applications, and represents the 2nd generation release of LX4 standards based products. The X2 LX4 is fully compliant to the X2 MSA 3.0 standard providing an end of life power dissipation of less than 4Watts, making it ideally suitable for 10GbE datacom (rack to rack, client interconnection) and Local Area Network (LAN) applications. MergeOptics products are environmentally responsible, and fully compliant with the EU-RoHS (EU restriction of hazardous substances) requirements.

The basis for MergeOptics X2 and XENPAK LX4 modules is OptoPack™, the company's smart building block technology. OptoPack is a highly integrated, hermetically sealed, small form factor, development platform comprising the transmitter and receiver optical sub-assemblies. The 3.125G-bit/s OptoPack sub-assemblies used in the LX4 transponders contain an uncooled DFB laser resulting in a very economical, low power

budget device. OptoPack is available in four fixed wavelength versions 1275.5nm, 1300.2nm, 1324.7nm and 1349.2n

Dag Neumeuer President and CEO of MergeOptics stated today, "MergeOptics continually strives to forge market leadership by demonstrating the ability to deliver state of the art technologies such as the next generation X2 LX4 products. The strategy to focus on OptoPack as the core technology for all MergeOptics products, ensures that we can respond quickly to the demands of rapidly emerging markets, such as LX4, and deliver robust, standards based products and technologies, without compromising product quality or time to market"

MergeOptics continues to provide customers with the broadest range of 10-Gbit/s products and technologies. The company will feature the X2 LX4 modules in a live product demonstration at OFC2005, (Anaheim Convention Center, Anaheim, California March 8 – March 10, 2005, booth 2259.

Product samples are available. Please refer to the company contacts for ordering and pricing information.

About MergeOptics

MergeOptics GmbH, was founded in Germany, in September 2000. They develop highly integrated components for the rapidly growing high-speed fiber optic data transfer market. The company integrates optical components (lasers, modulators and photo diodes) with high-frequency electrical circuits to create compact modules that operate with industry standard optical and electrical interfaces. MergeOptics' business objective is to specialize in high-speed optical products that are world-class for both integration and performance. MergeOptics has partnerships with several leading German universities and research facilities, including the prestigious Heinrich Hertz Institute in Berlin, Germany. For more information, please visit the company's website at www.mergeoptics.com.

Contacts:

North America:	Jerry Sheridan -	+1 916 983 4694
Asia/Pacific:	Patrick Kwok -	+65 6288 6123
Europe:	Dag Neumeuer -	+49 30 4303 8200