MICROSENS launches the 10G Transport Platform

PRESS INFO

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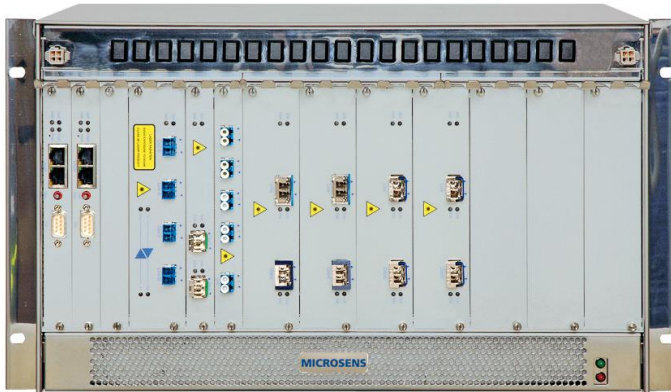
MICROSENS 10 gigabit optical transport platform 6 HE-construction

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MICROSENS introduces the new 10G Transport Platform, which is a high performance and flexible carrier-class transmission system. The 10G Transport Platform enables increasing transport capacities in CWDM, DWDM and SDH networks. The availability of a wide range of TDM modules permits to reduce the number of necessary wavelengths, to decrease the overall cost of the application and additionally to provide the direct support for lower speed protocols. Ethernet over SDH modules enable using the existing SONET/SDH infrastructure for the state-of-the art IP transmission.

MICROSENS' 10G Platform allows the optical multiplexing of up to 32x10G channels (to be extended to 128 channels soon) with transmission distances of up to 700km (with usage of optical EDFA line amplifiers), or 300km (repeaterless). The system permits building all kind of topologies of optical networks (point-to-point, add/drop and ring). Apart from standard duplex fiber transmission it is possible to realize optical DWDM multiplexing via single fibers. The usage of FEC – Forward Error Correction permits higher performance in long distance applications.

An optimized and clever design provides significant CAPEX and OPEX cost reduction and enables low cost entry to 10G transmission.

The 10G Transport Platform from MICROSENS is based on the different functional modules: TDMs, transponders, regenerators, protocol converters, DWDM MUX/DeMUX, OADMs, EDFAs. The wide range of supported protocols include: 10G/4G/2G/1G Fibre Channel, Sonet/SDH

STM-1/4/16/64, 10GBE LAN/WAN, ATM OC-3/12/48/192, Gigabit Ethernet, ESCON, G.709.

Two different chassis types are available in order to build up 10 G Transmission networks: The 2U version enables installing of up to 5 single size modules and the 6U version enables installing of up to 19 single size modules. The chassis are designed according to carrier class requirements, NEBS & ETSI compliant with redundant -48V DC power supplies and offer hot swap support for the modules.

Operations and management of the 10G Transport Platform is supported by HTTP, TELNET (CLI) and SNMP protocols. The MICROSENS Element Manager (Web Based Craft Terminal) provides device status information and configuration via standard Internet browser. An integrated Telnet console (CLI) permits text based access. Network visualisation and features like configuration, performance and security management, monitoring, alarm collection and processing, events logging, software upgrades, etc. are provided by MICROSENS Network Management Platform. By means of SNMP protocol the 10G Platform is compatible with all major 3rd party management systems.

The introduction of 10G Transport Platform is an important step made by MICROSENS in order to extend the existing portfolio of optical multiplexing and transport solutions. It is fully compatible with the remaining MICROSENS xWDM and Optical Access systems. With the new platform all MICROSENS customers can continue soft migration path scenario in building their optical xWDM networks. New MICROSENS xWDM customers will appreciate the system flexibility and performance combined with its cost effectiveness.

This press release, background information as well as high resolution photo materials can be found at:

www.microsens.com   **Newslink: 820180**

Company profile

MICROSENS is a world leader in production of fiber optic data transmission systems. The companies' expertise covers all applications using fiber optics, ranging from local area networks (LAN), via access networks right up to industrial and metro networks (MAN).

Heavy investments into the latest manufacturing equipment together with most advanced technology guarantee leading edge solutions. MICROSENS offers creative solutions using high quality components in order to meet customer requirements at the highest level in an application orientated and cost effective way.

Since its foundation in 1993, MICROSENS, which is based in Hamm, Westphalia (Germany), has concentrated with increasing success on the development and production of active components for data communication networks.

MICROSENS sells its solutions worldwide via the headquarters and the representative sales offices in France, Poland and Singapore. The product range is sold and supported locally by certified Sales Partners. All delivered products meet international regulations and standards, such as Gigabit Ethernet, SONET/SDH, Fibre Channel etc..

The tremendous growth of the company leads to an international awareness as a manufacturer of active fiber optic systems. Due to the fact that MICROSENS has its own production facilities orders can be processed quickly and efficiently according to the customers requirements.

In autumn 2006 a further step for the future success was made. Due to the investment of the new main shareholder MICROSENS now belongs to the fast growing and high profitable **euromicron group**, which has a focus on networking and fiber optic technology with its several investments in the IT industry.