Dear Reader,
dear Business Associate

It is CeBIT time again – on the 15th of March the CeBIT starts in Hanover.
As usual MICROSENS is showing a number of new product developments in the segments Enterprise Networking and Carrier Solutions.

Power over Ethernet is going to change the networking and communications technology totally.

On the CeBIT we are introducing our intelligent PoE-Injectors and Power-Splitters. In the segment Industrial Networking we are corresponding to the customer requirements and are presenting the extremely cost efficient Industrial Ethernet “Entry Line”.

The new MICROSENS 10G Transport Platform with several transponder, TDM and repeater modules for the access and carrier market is the absolute highlight on the MICROSENS CeBIT booth.

Please find us in Hall 12, booth C75.

Yours sincerely
Thomas Kwaterski
Marketing & Sales Director

---

Power-over-Ethernet – Power Supply for the IP World

The upgrading of existing data networks to the PoE technology must not always be related with the investment into new PoE backbone switches. The central edge switches can be connected with the powerful 24-Port-PoE-Injector of MICROSENS. This so called “plug&play” combination allows the further use of existing switches in the state-of-the-art PoE network. The PoE-Injector is connected between the switch and the patch panel and takes over the power injection according to the IEEE 802.3af standard.

Micro Switch with PD and PSE Functionality

The extremely compact Micro Switches with twisted pair uplink for cable duct and floor tank installation are enabling a quick enhancement of the access capacity in existing networks. Passive access outlets can easily be replaced by the Micro Switches. The power supply can be realized via the uplink port via PoE (PD). Thanks to low power consumption the switches can supply connected end devices with power using PoE (PSE).

New Gigabit Office Switch

For the present and also future bandwidth requirements at the workplace MICROSENS offers a new generation of the Gigabit Office Switch. The switch is equipped with 8 twisted pair ports, which are adjusted automatically to the relevant data rate (10/100/1000Base-T autonegotiation). Additionally there are two modular SFP-transceiver ports for the connection to the central distribution device available. This feature offers the user a special flexibility regarding the connectivity.
New Optical Transport Platform for 10 Gigabit Data Transfer

Telecom carriers need to increase the core networks capacities constantly in order to meet the growing requirements of their customers. CWDM or DWDM optical multiplexing is a common choice and the 10G transmission speed per individual channel is more and more required.

High performance optical transport solutions are coming closer to the end user. Today not only carriers but also companies need to take the advantage of the 10G transmission.

The new 10G Transport Platform is corresponding the expectations of both carriers and enterprises offering industry leading system flexibility and performance combined with cost effectiveness.

As a high performance and flexible carrier-class transmission system, the MICROSENS 10G Transport Platform enables to increase transport capacities in CWDM, DWDM and SDH networks.

A wide range of TDM modules is available and permits reducing the number of necessary wavelengths in order to decrease the overall cost of the application and therefore to provide the direct support of lower speed protocols. Moreover several Ethernet over SDH modules permit using the existing SONET/SDH infrastructure for IP-transmission.

Different Modules

MICROSENS offers a wide range of functional modules for the installation into different chassis types (2U and 6U version). The modules portfolio of the 10G Transport Platform includes:

- **TDM 8x GBE or 8x GFC to 10G/OC-192/STM-64**
- **TDM 5x GBE or 5x 2GF to OC-192/STM-64**
- **TDM 4x OC-48/STM-16 to 10G/OC-192/STM-64**
- **TDM 2x GBE or 2x GFC to OC-48/STM-16**
- **TDM 4x GBE or 4x GFC to OC-48/STM-16 (1 or 2 lines)**
- **TDM 4x STM1/ESCON/Fast Ethernet to GbE**
- **10G Transponder with 3R, XFP and fixed Laser Versions**
- **10G Long Haul Transponder with 3R, FEC - fixed Laser Versions**
- **10G Protocol Converter 10G LAN to 10G WAN (OC-192/STM-64)**
- **DWDM MUX/DeMUX, OADMs, EDFAs**