

MICROSENS increases flexibility for Industrial Ethernet

## Gigabit Ethernet Industrial Switch with modular Fiber Ports



## Press- INFO

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Ethernet is becoming the standard protocol in the field of industrial communication. From the classical production area Industrial Ethernet also moves into the traffic control, monitoring and signalling systems as well as the energy sector. For this kind of applications MICROSENS has presented the new 10 Port Gigabit Ethernet Switch at the SPS/IPC/DRIVES in Nuremberg.

The most important new feature is the modular design of the fiber ports, which gives this Industrial Switch a special flexibility. The peculiarity of the SFP ports is the support Gigabit Ethernet (1000Base-X) and Fast Ethernet (100Base-FX). Thus it is possible to select and combine the data rates of the copper and the fiber interfaces.

For the SFP ports MICROSENS offers special optical transceiver modules, which also fulfil the special requirements of harsh industrial environments. The so called SFP modules (Small Formfactor Pluggable) are designed for the operation under extreme temperature conditions and available for multimode and single mode fibers.

The Industrial Switch with the SFP ports offers the possibility of a direct integration into industrial Ethernet Ring Topologies. The connection to a fault tolerant fiber ring ensures that all network users such as machine controls (PLC), IP-cameras, and Access Points can be still accessed in the case of a failure.

A third SFP port can be used for the interconnection of several rings. Herewith the use of several switches with three SFPs in the ring allows

redundant ring interconnections. A further great advantage is that both data rates - Fast Ethernet and Gigabit Ethernet- are supported. Therefore it is possible to combine existing Fast Ethernet rings with new Gigabit Ethernet rings.

The 10 Port Gigabit Industrial Switch is equipped with the new management generation. Now the user has the possibility to access the management via SNMP, Telnet, Web Management, SNMP/Trap and the MICROSENS Device Manager software within one firmware version. Furthermore all features like "Power Management" for the PoE ports, port and packet counter and authentication according to IEEE802.1x are supported.

The devices are delivered in a very robust chassis for rough environments and are having an integrated holder for 35mm hat rails. The devices comply with the IP protection class 20 and can be operated in an extended temperature range.

**This press release, background information and high resolution images are available under:**

[www.microsens.com](http://www.microsens.com)

**Newslink: 820171**

#### **Short Company Description**

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.