MICROSENS increases flexibility for Industrial Ethernet

Gigabit Ethernet Industrial Switch with modular Fiber Ports

Hamm, 4th December 2006

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   **Newslink: 820171**