

March 2005



Dear readers,
dear partners

once again the CeBIT in Hanover, the leading international exhibition for information technology and telecommunications, opens its doors on March 10th.

MICROSENS shows various new developments for the enterprise networking and carrier technology segments.

For the enterprise market MICROSENS presents a Gigabit Ethernet Installation Switch supporting the Fiber-To-The-Office (FTTO) concept. The standard-compliant implementation of the Power-over-LAN functionality and the wide spread of VoIP telephony makes the new FTTO concept a very attractive solution.

As Gigabit Ethernet gets into focus of industrial networking MICROSENS presents the new Gigabit Industrial Switch with redundant ring control.

For access and carrier networks MICROSENS developed new intelligent optical solutions, as the optical crossbar module and the new DWDM transponder.

Our international sales team is looking forward to your visit. You will find us in

Hall 12, booth D 74.

Yours Thomas Kwaterski
Marketing & Sales Director

Twin Retimer with 4 channel optical crossbar for data rates up to 2.7 Gbps

The new module is part of the MICROSENS access platform and offers full 3R signal regeneration bundled with a free configurable crossbar matrix for data rates from 50 Mbps up to 2.7 Gbps. This module enhances the 3R function with the benefits of a flexible switchable crossbar logic. It allows free allocation of four channels – besides the protection of the optical link. In addition to the 1:1 links also 1:n connections for broadcast applications are possible.

Plenty of applications are possible: Twin Converter for point-to-point links with high port density, hardware-redundant configuration, channel protection and signal multiplication (Broadcast).

Pluggable optical transceivers (SFPs) can easily adapt to different requirements of transmission networks.

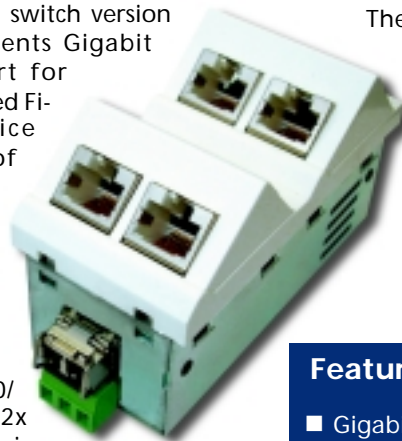


Gigabit Ethernet Installation Switch with Management and PoLAN

With the latest switch version MICROSENS presents Gigabit Ethernet support for the well established Fiber-To-The-Office (FTTO) family of switches. The Installation Switch for cable channels and sub floor distribution enables the connection of up to four users (2x 10/100/1000Base-T, 2x 10/100Base-T) to a single optical Gigabit port (1000Base-SX).

An integrated Power-over-LAN controller assures the standard compliant (IEEE® Std. 802.3af®) power supply of end devices like IP telephones, IP cameras or WLAN-access points.

The built-in management agent allows the extensive configuration of port settings, VLANs, data prioritization and Power-over-LAN settings.



Features

- Gigabit Ethernet performance
- Tool-free installation
- Quality of Service
- Power-over-LAN according to IEEE 802.3af
- SNMP&Telnet Management

Hanover

10.03.-16.03.2005

CeBIT
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Hall 12
Booth D74

Gigabit Ethernet Industrial-Switch for redundant Gigabit-Ring

Ethernet has been used in the core level of industrial applications for many years.

But even in the field of coupling equipment controls, sensors and actors Ethernet is continuing to beat the field bus technologies used to date. According to current studies every second industrial user plans to use IP-technology in the future. Process error-tolerant network components are absolutely essential because the network availability has a critical influence on production efficiency.

Ring-Redundancy

The protection mechanism patented by MICROSENS allows the user to build up fault-tolerant ring structures. If one device or segment fails, all other users remain accessible due to the intelligent ring topology (fast redundancy).

Gigabit Performance

With the new Gigabit switch MICROSENS rounds up its product portfolio for industrial solutions.

The use of the high performance Gigabit Ethernet technology offers significant advantages for the user. The main benefits of Gigabit Ethernet are: Fewer bottlenecks for the data-throughput even at high network utilization, short latency times and more reliable network operation.

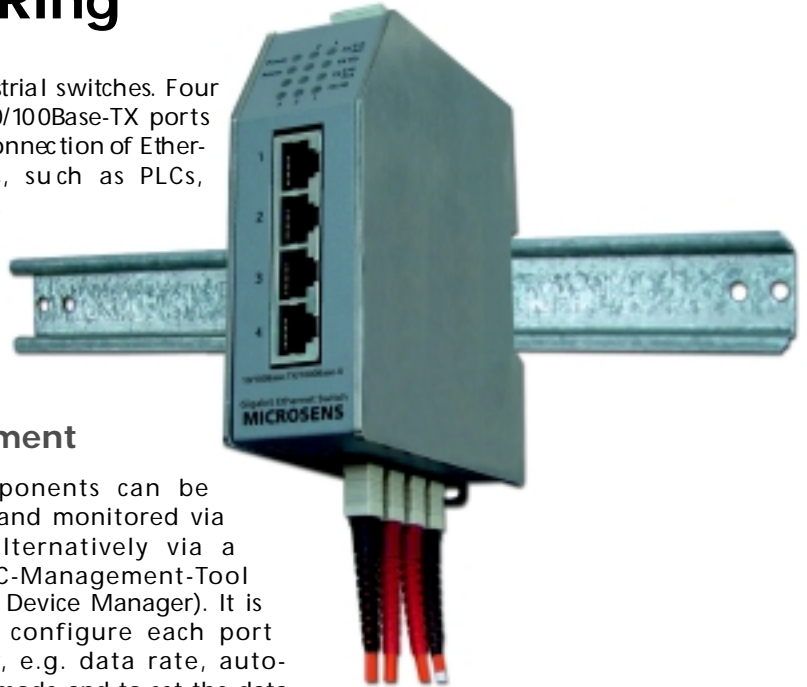
Characteristics

The MICROSENS Gigabit Industrial Switches are equipped with two fiber ports 1000Base-SX (multimode) or 1000Base-LX (single mode) for cascading

several industrial switches. Four additional 10/100Base-TX ports are for the connection of Ethernet devices, such as PLCs, network uplinks, consoles and other network users.

Management

The components can be configured and monitored via SNMP or alternatively via a powerful PC-Management-Tool (MICROSENS Device Manager). It is possible to configure each port individually, e.g. data rate, auto-negotiation mode and to set the data prioritization and VLAN parameters.



Advantages

- High performance, even at high network utilization
- Short latency time, fast transmission of data packets
- Standard Management Interface (SNMP) for monitoring and configuration
- High variety of fiber interfaces, distances up to 80 km
- Powerful Software-Management-Tool

Highest Security with Ring Recovery Protocol

- Patented method for building fault tolerant Ethernet rings
- Highest system availability
- Reconfiguration time < 100 ms
- Ring recovery without affecting the network performance
- Reliable master/slave concept



Visit us!
Hall 12, Booth D74

