MICROSENS
fiber optic solutions
a company of the euromicron group

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Video Surveillance with fail-safe Fiber Rings

Industrial Ethernet is not only used in machinery halls and manufacturing plants anymore. Applications in the transport industry, rail traffic, energy production and distribution, defence and security are demanding similar requirements with harsh environment conditions

Uniform Networks

Legacy video surveillance solutions which are based on pure analogue technology normally need a separate connection network between the cameras and the monitors in the control room.

The use of the IP-protocol allows the synchronous transmission of video surveillance, computer data and voice signals via the same transport network. First of all this leads to an optimization of the infrastructure an improvement of the performance and administration and last but not least reduces the operational costs.

Self healing Ring

MICROSENS offers the backbone for these networks with its Industrial Ring Switches for harsh environment conditions.

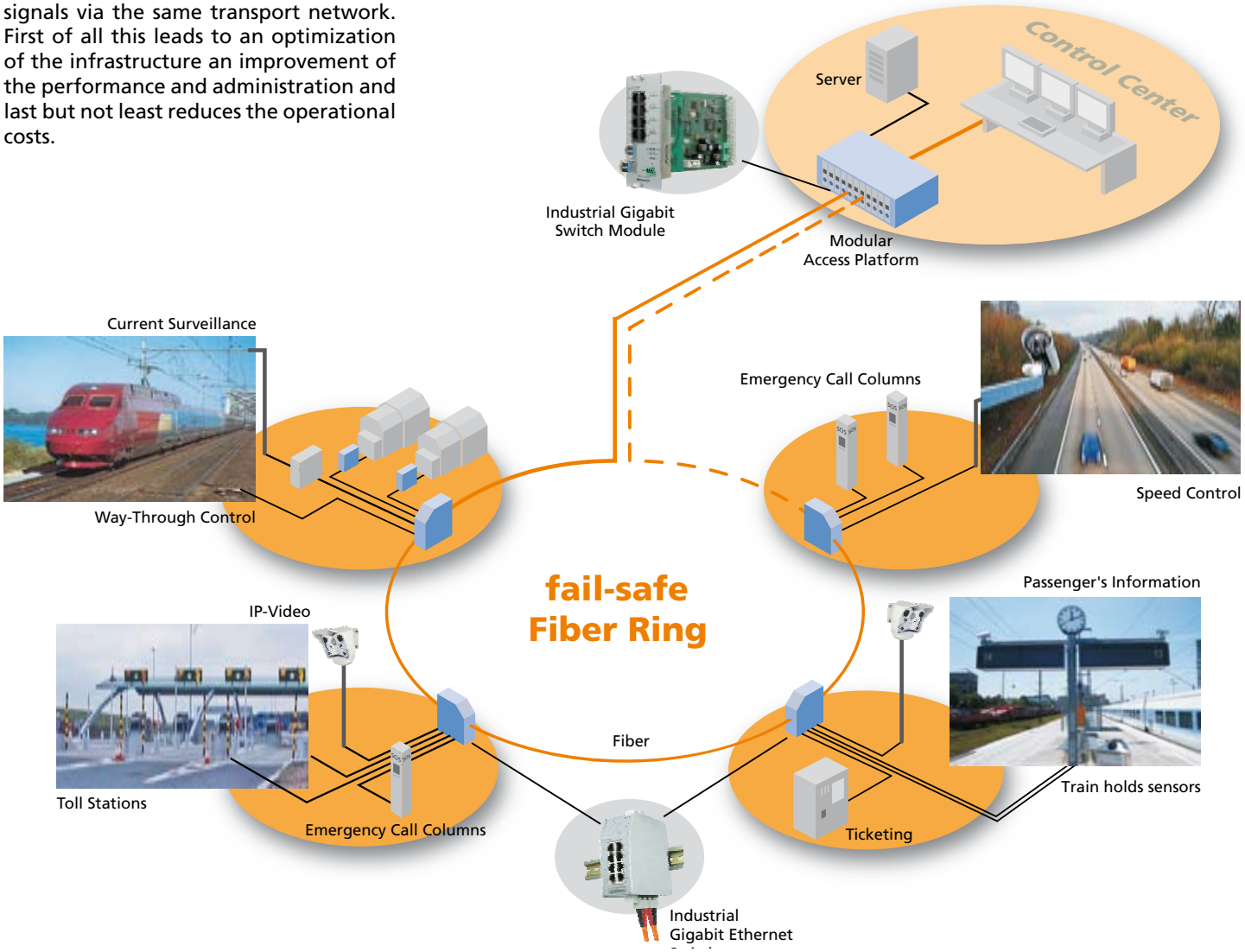
The patented algorithm allows building up self healing fault tolerant networks with an extremely high reliability

Power from the Network

Power user like IP-cameras, WLAN access points or IP-telephones can be powered direct from the network because of the integrated Power-over-Ethernet functionality and therefore separate power supplies are not needed anymore.

Uniform Network for:

- Video Surveillance (IP-cameras) Factory Premises and Route
- Traffic-control Systems
- Capture and Control of Company Parametres
- Intelligent Display Systems
- Binding of Ticket Machines and Toll Stations
- Acquisition of Measuring Data



Gigabit Ethernet Ring-Switches with fast Redundancy

o prevent the break down of a whole segment in case of a failure of a single device and with it linked application shutdowns as well as losses of production, Ring-Topologies for Industrial Ethernet are used.

The Industrial Switches of MICROSENS set new standards for future security and investment protection with their extraordinary features. The patented mechanism for industrial ring structures carries out a reconfiguration within milliseconds in case of failure of the ring and thus protects the maximum availability of the network.

The devices are delivered in a very robust chassis for rough environments and are having an integrated holder for 35mm DIN-Rails.

Features

- 10 Port Gigabit Ethernet Switch 7x 10/100Base-TX, 3x 1000Base-X
- Fault tolerant Ethernet Fiber Ring
- Ultra-fast Recovery Time < 20 ms
- Integrated Management SNMP/CLI/web-based
- Data Prioritisation (QoS) and VLANs
- Optical Connection optional with pluggable Modules (SFPs)
- Power-over-Ethernet (802.3af) optional, power supply from port

Entry Line – The Entry into the World of Industrial Communication

Industrial Ethernet is meanwhile a firmly established concept which describes the application of Ethernet components with high reliability in harsh environments. Due to the huge number of the applications the market requires simple, cost-effective and reliable products.

With the Entry-Line MICROSENS presents the suitable solutions for this. The new products distinguish themselves with easy handling (Plug&Play) and do not need extensive configuration.

Entry Line Products

- Gigabit Ethernet Switches
- Fast Ethernet Switches
- Gigabit/Fast Ethernet Media Converter
- Device Server (Conversion of serial Interfaces (RS-232/422/485) on IP

Gigabit Ethernet and Fast Ethernet Switches, Media Converter

reliable
cost-effective
simple Mounting

Serial Device Server

Hardened Power Supplies for extended Temperature Range

The new switched power supply generation has especially been designed for the use under extreme environment conditions. Matched power classes from 78 up to 600 W are offering sufficient power reserve also for changing load conditions.

Sophisticated electrical characteristics with low sensitivity against electromagnetic radiation, high efficiency as well as permanent short circuit protection, over temperature and overload protection make the devices first choice for all installations within the automation and surveillance technology.

The power supplies are delivered in robust and compact housings for DIN rail mounting.

Features

- Operating Range -25 °C up to +70 °C
- Power Class 78 up to 600 W
- Variants with 12/24/48 V DC, Output Power adjustable
- Short Circuit Protection, Over Temperature and Overload Protection
- External On/Off-Function
- DC-OK Signal
- Convection Cooling without Fan

Industrial Power Supplies 24 V DC or. 48 V DC / 600 W with extended Temperature Range