MICROSENS
fiber optic solutions
a company of the euromicron group

Railway Certification for Industrial Gigabit Ethernet Switches

Press-INFO

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MICROSENS is pleased to announce the recent accreditation of its MS650869PM-48-B and MS650869M-B Industrial Managed Gigabit Ethernet switches, to the latest EN 50121-4:07.2006 standard for Railway applications. This European Standard applies to signalling and telecommunication apparatus which is installed in the railway environment.
Both units provide 1x 10/100/1000Base-T, 7 x 10/100Base-TX and 3 x SFP (small form factor pluggable) slots (100 Mbps and 1 Gbps) for redundant fiber ring configurations. The switches meet the high-bandwidth transmission requirements for different sites, from the control level to the backbone network. Moreover, they are rated to operate under extreme uncontrolled environmental conditions, ensuring stable operation at different sites along the railway.
The PM-48-B version of the switch also facilitates Power over Ethernet (PoE) functionality. This standard provides the 48VDC power input in addition to the data link, to each of the eight copper ports to enable the connection of devices such as IP phones, wireless access points, Web cameras, access control systems, etc via twisted-pair cables.
PoE eliminates the need for running both data and power wires to each network device. These devices can be installed without the additional expense of contracting an electrician to install AC power outlets where deployed.

PoE also helps protect IT investments as it is forward and backward compatible with other Ethernet protocols. Furthermore, PoE devices that are Simple Network Management Protocol (SNMP) manageable can be remotely monitored and controlled to efficiently manage or troubleshoot power consumption and/or failures.

Ease-of-use, speed, reliability and safety are important factors for the efficient and economic operation of railway systems. To achieve this objective, modern railway system designers have found that automation technology can be used to minimise labour costs and enhance real-time determinism for daily operation.

Please find this press release, background information and high-resolution images at:

www.microsens.com **Newslink: 820245**

Company profile

MICROSENS is a world leader in the design, production and supply of fiber optic data transmission systems. The company's expertise covers all applications using fiber optics, ranging from local area networks (LAN), via access networks right up to industrial and metro networks (MAN).

Large investment in the latest manufacturing equipment together with the most advanced technology, guarantees 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 on increasing success in the development and production of active components for data communication networks.

MICROSENS sells its solutions worldwide via the headquarters and its representative sales offices in the UK, France and Poland. 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, Fiber Channel, etc.

The tremendous growth of the company has lead 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 customer's requirements.

In Autumn 2006, a further step towards future success was made. Due to the investment of the new main shareholder MICROSENS now belongs to the fast growing and highly profitable euromicron group, which has a focus on networking and fiber optic technology with several investments in the IT industry.