MICROSENS expands Portfolio for Industrial Solutions

Industrial Wireless Access Point with integrated Gigabit Ethernet Switch

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Press-INFO

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There's no stopping the triumphant success of the IP-protocol for industrial networks. Together with classical manufacturing environments, this technology is also used for traffic control, monitoring and signalling systems. Currently attention is being focussed on CCTV monitoring which needs high availability and a broad bandwidth.

Wireless Access Point with integrated Switch

MICROSENS is the first vendor offering a Wireless Access Point for industrial environment with integrated switch.
Due to this switch can be direct integrated into the industrial Ethernet ring topologies. Both, the switch and the Wireless Access Point are managed by the same software platform.

Ethernet Ring Topology

The integrated Gigabit Switch has two Gigabit Ethernet fiber ports according 1000Base-SX/LX, which allow the integration into the fault tolerant fiber rings. The patented protection mechanism from MICROSENS offers a reconfiguration of the ring in less than 20 ms (milliseconds) if there is a failure in the ring.

If one component or one connection in the ring fails, all connected devices are still accessible due to the intelligent ring topology (fast ring redundancy).

Wireless is Standard

With the support of the wireless transmission standard IEEE 802.11g it is possible to reach a wireless bandwidth of 54 Mbps. The downward compatibility guarantees the support of existing equipment with 11 Mbps according IEEE 802.11b.

The Access Point supports all actual safety standards and protects the communication against unauthorized access. Beside the older authentication and encryption standards such as WEP and WPA is also WPA2 (802.11i) implemented. The use of a central Radius Server is supported as well.

For network participants which can not be connected via wireless, there are classical RJ-45 ports with 10/100Base-TX available.

More Applications with Power-over-Ethernet

Beside the standard version with the classical power supply input of 24 V DC, there is an extended version with Power-over-Ethernet according IEEE 820.3af available.

This extended version of the Access Point is supplied by 48 V DC. Due to this it is possible to supply the end devices with data and power. The maximum power of 15.4 W for each port offers the supply of all standardised end devices such as IP-telephones, IP-cameras, sensors/actors and signalisation devices.

Network Management

The Access Point can be monitored and configured by the standardised interfaces such as SNMP, Telnet, HTTP and a PC based Management Tool (MICROSENS Device Manager).

The robust design is made for the use in rough environments and has an integrated holder for 35 mm hat rails. The device complies to the IP protection class 20 and is prepared for an extended operating temperature range.

Standard for the Future

The new Access Point sets with its integrated Gigabit Ethernet Switch new standards for a future proof network and investment protection. The combination of Access Point and switch is unique on the market.

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

www.microsens.com **Newslink: 820150**

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.