

Field Devices Become IP Data Points with the Smart I/O Controller

Hamm, 16.03.2018 – Less cable tangle, more control options: At the Light + Building 2018, euromicron subsidiary MICROSENS launches its new Smart I/O Controller. The PoE-powered module permits the direct integration of any device on the sensor-actor layer into the IP infrastructure of modern buildings. This makes it possible even to directly address legacy field devices in the IP network by means of modern control options.

MICROSENS integrates the complete building technology into the IP infrastructure of modern buildings. Up to now, the most convenient way to integrate non-IP-capable devices was to use wireless communication. With the Smart I/O Controller, MICROSENS has developed an option to even control analogue devices of the system directly over Ethernet. As the devices are powered via Power-over-Ethernet (PoE+), it is not necessary to install a control bus or additional power cables. With this new product, MICROSENS closes a technical gap and offers a building automation solution without interface problems which is completely networked over IP.

Making Existing Technology IP-capable

Especially, the new product addresses the operators of buildings with existing automation infrastructure. If the building is modernised or refurbished, it is meant to allow the migration to the Smart Building concept with as little effort as necessary. The Smart I/O Controller connects the sensor and actor technology already installed in a IP networked buildings and, thus, permits the integration into the MICROSENS Smart Building solution.

Smart I/O-Controller

The MICROSENS Smart I/O Controller serves both to capture sensor signals and to address and control automation actors. It is offered with input and output ports for digital and analogue signals and closes the gap between analogue devices and IP-based building automation.

The Smart I/O-Controller has 8 inputs (4 analogue / 4 digital) and 4 outputs (2 analogue / 2 digital). Two analogue end devices work as PT100/PT1000-compatible sensor ports. Thanks to PoE+ technology, the Smart I/O-Controller is directly powered over the network.

MICROSENS Runtime System

The Smart Director App and the integrated IEC61131-3-conforming SPS runtime system permits the administration of several Smart I/O-Controllers and end devices connected to them. This is valid both for actors and sensors. Users can operate and configure the connected devices over the Web-based interface of the Smart Director App. Users can program individual functions by means of the microSys development environment conforming to IEC 61131-3.

PRESS RELEASE

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Light + Building 2018

At the Light + Building 2018, the euromicron subsidiary MICROSENS presents its IP-based concept Smart Building. With this concept, the company transfers its 25-year experience in networking technology to building automation. Whether data or lighting, audio-streaming or facility technology - everything that has an IP-address can be controlled over the IT network. At its booth, MICROSENS sets up a walk-in office installation to demonstrate the application example "Smart Office". In addition to the innovative illumination concept "Smart Lighting", a comprehensive portfolio of business unit "Network Components" will be presented.

MICROSENS present themselves at the Light + Building 2018 in hall 9.1 at booth E31.

For further information, please visit our Website at www.microsens.com

About MICROSENS

Transmitting information via fiber optic connections offers numerous benefits. MICROSENS GmbH & Co. KG recognised this very early on. As one of the pioneers, the company has developed and produced high-performance communications and transmission systems in Germany since 1993. Individually matched to the demands of diverse usage areas and embedded in comprehensive concepts for individual sectors. But, above all, close to the customer. Technical challenges from customer projects are incorporated directly into product development. This way, IP-based automation solutions are created for modern buildings, cost-efficient network concepts for the office and workspace, robust and fail-safe solutions for industrial environments, optical transport systems future-oriented wide area networks and efficient coupling of sites and computer centres. Moreover, the companies affiliated in the euromicron group develop strategic applications and technologies for digitalized buildings, Industry 4.0 and critical infrastructures.

About euromicron:

As a company group, euromicron AG (www.euromicron.de) combines medium-scale high-tech companies from the sectors of digitalized buildings, Industry 4.0 and critical infrastructure. As a German specialist for the Internet of Things, euromicron enable their customers to network business and production processes and to successfully venture the path to a digital future. From the design and implementation over the operation up to combined services, euromicron implement customer-specific solutions and, thus, provide the necessary IT, network and security infrastructures. In this way, euromicron enable their customers to migrate the existing infrastructures to the digital age in a stepwise mode. The expertise of euromicron supports the customers of the company in increasing their flexibility and efficiency as well as in the development of new business models which set the cornerstone for the corporate success of tomorrow. The technology corporation, which has been registered at the stock market since 1998 and has its headquarters in Frankfurt am Main, employs approximately 1,800 employees at 32 company sites. The euromicron group includes 17 subsidiaries in total, among them the brands Elabo, LWL-Sachsenkabel, MICROSENS, and telent.