

MICROSENS expands product line for Fiber To The Office components

Gigabit Ethernet Office Switch



Press RELEASE

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The new 8 Port Gigabit Ethernet Switch from MICROSENS with web-based management was developed to meet current wide band requirements in office environments. Two modular transceiver ports (SFPs) provide this switch particular flexibility for Fiber To The Office (FTTO) and Fiber To The Home (FTTH) applications

Our solution takes you further

The Office Switch has eight twisted pair ports, which adjust automatically to the specific transmission rate of the device connected (10/100/1000Base-T Auto Negotiation). The crossover function allows uniform 1:1 patch cable to be used for cascades and terminal connections. The switch automatically recognizes the allocation and sets itself accordingly.

Two uplink ports are designed as SFP modules and serve for connection to the central distribution. Whether twisted pair or fiber optic connections for multimode or single mode – with the appropriate selection of plug-in transceivers all types of mediums can be connected with one another. A wide range of SFPs is available to the user for this purpose.

Alternative with two media converters

A special feature allows alternative configuration as a media converter. For this purpose two of the eight TP ports are selected and form, together with the two SFP ports, two independent media converters (2x 1000Base-T/1000Base-X).

In this configuration the other six TP ports continue to operate as gigabit switch ports, allowing combined operation as media converter and switch.

Always in the right order!

Implementation of data prioritisation (QoS) and VLANs in conformance with IEEE 802.1P/q are integral features of the Office Switch. Four-stage prioritisation of data flows allows optimum implementation of performance-critical applications such as IP-telephony or IP-video.

Moreover full support of VLANs in conformance with IEEE 802.3q also allows separation of security-relevant sub-networks right up to the terminal devices.

Fan-free operation!

In addition to comprehensive features, the current table-top version is distinguished particularly by its significantly minimized power consumption and fan-free design. Use of Office Switches in the terminal area is very economical, making them excellently suited for use in small workgroups.

The switches operate according to the store-and-forward method, whereby the switching matrix is laid out so that the full transmission rate is available even at maximum load (non-blocking). Moreover the switches have an intelligent flow control in compliance with IEEE 802.3x.

The new Gigabit Ethernet Switch is designed for flexible application and offers the best prerequisites for creating or expanding networks. In addition to this table-top version, the gigabit switching functions are also available in another version for installation in cable ducts and sub-floor systems.

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

www.microsens.com

Newslink: 820115

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.