The Ruggedized Micro Switch of MICROSENS closes the gap between office networking and Industrial Ethernet. It is the ideal solution for typical IT applications in infrastructures which do not justify an investment in Industrial Ethernet components, but cannot make do with standard components for an office environment, either.

**TOP FEATURES**

- Four Gigabit terminal device connections (10/100/1000Base-T), optionally with PoE+
- Top network availability with two Gigabit uplink ports
- Setup of redundant ring structures with fiber optic or copper connections
- Robust electronic components with extended temperature range
- Maximum performance and fault tolerance, extensive security functions
- Shortest possible recovery times thanks to a microSD card with firmware and configuration file
- Optional microApps for smart building functions, can be completely integrated into MICROSENS Smart Building solutions
- Versions for horizontal and vertical installation

**MICROSENS IS KNOWN FOR COMPETENCE ON THE SECTOR OF ACTIVE FIBER OPTIC SOLUTIONS**

For 25 years, MICROSENS has been offering high-quality, active fiber optic components for corporate networks, manufacturing companies, the industrial sector, and access networks. Development and manufacture “Made in Germany” make a significant contribution to the product quality.

**RUGGEDIZED MICRO SWITCH**

The economically efficient bridge between Office and Industrial Ethernet

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gap between office application and Industrial

either. A solution is required which closes the

office switches are out of place here, but

Industrial Ethernet components with their

wide range of functionalities are not always required either. A solution is required which

does the gap between office applications and Industrial Ethernet

Proven technology in a harsh environment

For buildings, users need reliable access to office and industrial switches of MICROSENS. With the Ruggedized Micro Switch, MICROSENS offers the ideal solution for all applications where users need to exploit the benefits of the power of Ethernet switches, outside of protected outdoor environments as well. The compact, robust switch offers reliability, functionality and security. It combines office and industrial applications in a particularly economic manner.

Compact switch with many options

The Ruggedized Micro Switch offers Ethernet-access, fireproof and anti-sand, with full-bit of the concerned terries, and two and half-duplex unidirectional ports with FastE and/or fiber optic ports. The switch management makes it possible to switch off the Power-over-Ethernet function for a remote power-off terminal device, which is physically disadvantageous for harsh-to-much terminals devices, such as net box access points and surveillance cameras. In addition, the switch detects failed network connection and independently performs a reboot, according to its configuration. The two unidirectional ports allow the uncompromised setup of a star, ring or bus structure, so that the switch can be integrated one efficient redundant concept for increased network availability. Due to the extended temperature range of -40° to +70°C, the Ruggedized Micro Switch can be used in environments where switches for office environments are too expensive. The Ruggedized Micro Switch is also available with two Gigabit copper or fiber ports. This means that the switch can be used in indoor or outdoor environments or a robust one. It comes with an integrated, compact, easy-to-use PCMI for the applications and also offers a number of options. The power supply of the switch is defined. Its power consumption is, as well as its suitability for power supply via copper lines or for cascading to another Micro Switch.

RUGGEDIZED MICRO SWITCH

APPLICATION EXAMPLES

RUGGEDIZED MICRO SWITCH

Gigabit copper ports (4x)

Four high-performance Gigabit Ethernet ports with PoE for terminal devices, such as Access points, IP cameras, building automation devices, Smart locking solutions, in any other 10/100/1000 terminal device.

Gigabit optics ports

Two Gigabit optics ports for maximum network availability and reliability. Similarly so with the SFP slot for redundant network-based solutions or one SFP slot for fiber optics and one Gigabit port for copper optics. The switch supports the setup of dedicated applications in a ring, bus, tree or star architecture with secured connectivity to the switch used in a data link port connected to a second switch.

Power supply access

Power supply optionally via the FAN V4. From the power network, with power supply also from the metering equipment or an optional power supply.

Grounding Clamp

 Clamp for the connection in the equipment housing to the mains connection.

Extension Port

Serial RS-232 access module, for optional accessories, also configurable. As an RS-232 access server.