MPL AG Elektronik-Unternehmen
Headquarters Switzerland
Phone +41 56 483 34 34
www.mpl.ch

Press Release

Swiss designed Rugged Compact & Fanless 10Gbit port Switch

The new fanless µMAXBES comes with 8x 1Gbit header and 2x 10Gbit fiber or copper ports. All ports have status LEDs, indicating activity and speed. The device conforms to MPL's high standards such as long-term availability, extended temperature, flexibility, and low power requirements.
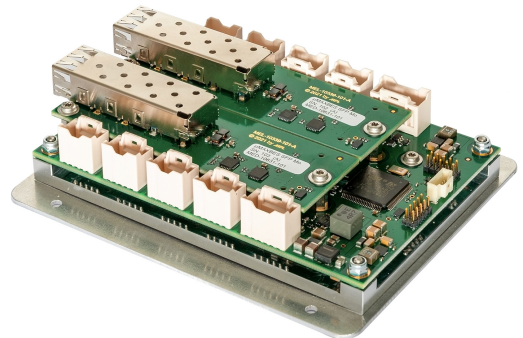
Dättwil Switzerland, February 2022 - The new µMAXBES solution is a 10-port Open Frame Switch, that includes two 10Gbit ports with either copper or fiber. The solution is extremely compact and dimensions are only 115 x 95 x 34mm with a weight of 237 grams (incl. cooling plate and two SFP carrier boards). The managed switch can be used as open frame solution or in a MIL housing with connectors of your choice. Supply power of the unit is 5V - 36VDC and uses fully operational less than 6W. The µMAXBES can be operated at -20°C up to +60°C. Optionally, the product is available in extended temperature range (-40°C to 85°C).

The two 10Gbit ports of the µMAXBES can be equipped with SFP or copper carrier boards (RJ45) and can even be mixed. For the fiber ports, most Ethernet compatible transceivers (10Gbit SFP+ and 1Gbit SFP, acc. MSA) can be used. It allows the users to select the appropriate transceiver for each link. The 10Gbit copper ports with RJ45, support auto crossover (Auto MSDI/MDIX) and polarity correction.
The µMAXBES comes with a high-performance Switch lookup engine, supporting up to 1024 MAC entries with automatic learning and aging. Jumbo frames up to 10k Byte are supported.

As managed switch, the product gives access to various switch settings to configure features like: Quality of Service, VLAN, Rapid Spanning Tree, and much more. To adjust these switch settings, MPL provides an easy-to-use web interface.

The key features of the new managed 10-port switch are:
- Two 10Gbit ports
- Ports are on headers
- Wide input 5V - 36VDC
- Fully manageable over Web interface or Telnet
- Copper or mixed Copper/Fiber versions
- Fanless operation
- IEEE802.1AS gPTP support
- Optional CLI via USB

These and several other functionalities make µMAXBES to the ideal candidate for any rugged, industrial, and secure network applications in industry, defense, avionics, railways…. Due to the low power consumption, robust and flexible design, the product is well suited for embedded systems and solutions. For depopulated versions, please contact MPL directly.

The µMAXBES 10-port Switch is 100% designed and manufactured by MPL AG in Switzerland. This guarantees best quality, long-term availability and repair, and gives you security you can trust.

For more information about the µMAXBES, please visit www.mpl.ch/t2878.html or contact MPL AG directly.

About the Company
MPL AG is located in Switzerland and was founded in 1985. Since the beginning, MPL stands for robust designs, long-term availability, low power consumption, and fanless concepts. The products are designed from scratch to succeed in extended temperature and meeting the high demands of rugged environments.

Contact Information
Remy Lörtscher
MPL AG, 5405 Dättwil, Switzerland
Phone: +41 56 483 34 34

Hi-res Press Release Photo: https://www.mpl.ch/info/uMAXBES-10Gbit-port-Switch.jpg