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## Rugged Gigabit Ethernet Switch Product Family

### Manageable Copper and Fiber Switch solution

MPL introduces with the MAGBES a new Ethernet Switch product family. It features a versatile design that allows different combinations of fiber and copper LAN ports. The products is available in two basic versions; a "5-port Gigabit Ethernet switch module with 3 copper and 2 fiber optical interfaces" or a "5-port Gigabit Ethernet switch module with solely copper interfaces. The two basic versions are available in different mechanical configurations. The hot pluggable SFP transceivers are available on the open market or from MPL with a variety of different variations allowing users to select the appropriate technology according to the applications need.

The MAGBES products support features such as Quality of Service, Port Based VLAN and IEEE 802.1Q VLAN, as well as Rapid Spanning Tree Protocol. To configure the switch, MPL provides a comfortable web interface. The Software is being delivered together with the MAGBES modules. The complete HW & SW has been developed, designed and produced by MPL in Switzerland.

The MAGBES can be used as stand-alone product and in a PC/104 or PC/104-Plus stack. In addition the product is available as built-in solution for the well known Packaged Industrial PCs (PIP). The size of the module is very small and according to the mechanical PC/104 specification.



#### Feature list:

- **2 Different Ethernet configuration:**
  - 5 ports Copper (4 x RJ45 and 1 x 2.54 header)
  - 3 ports Copper and 2 ports Fiber (2 x RJ45, 1 x 2.54 header and 2 x SFP cage)
- **3 Different mechanical configuration:**
  - Stand alone Switch
  - PC/104 Stacked Switch
  - build-in Switch matching the PIP solution
- **Low Power Consumption (fanless operation)**
- **optional -40°C up to +85°C**
- **Easy configuration via Web Interface:**
  - Port Based VLAN
  - IEEE 802.1Q VLAN
  - Quality of Service
  - IEEE 802.1X MAC Address Checking
  - IEEE 802.1D Spanning Tree
  - Port monitoring
  - SNMP Support
  - Switch Statistics
- **Firmware Update via TFTP**
- **Automatic or manual Port Settings**

Due to the robust design, the low power consumption as well as the universal configuration possibility of the module, the MAGBES can be used basically in any industrial and/or tough environment. On request, the product is also available for extended temperature.

For more information about the MAGBES, or other products from MPL please check our Home page under [www.mpl.ch](http://www.mpl.ch) or you may send an email to [sales@mpl.ch](mailto:sales@mpl.ch).