

Dättwil, August 2011

## GUARD-F1 – the new Ethernet product line by MPL Rugged Industrial Gigabit Firewall and VPN Router

MPL announces the GUARD-F1, a new product that expands the Industrial Ethernet Product range with a rugged Industrial Gigabit Firewall and VPN router.

The GUARD-F1 network solution is specifically designed for industrial and defense applications where security, quality, reliability, low power consumption, and long-term availability are key. Other possible applications just to name a few are; remote monitoring & maintenance, secure communication in automation, etc.. The GUARD-F1 comes with 3 Gigabit Ethernet interfaces, 2 of them are either available as copper or SFP ports and one is available as copper port. The specially designed housing allows operating the system in harsh environment without fan or ventilation holes, and it can easily be mounted on a 35mm DIN rail or wall. The compact housing (62x120x162mm), offers sufficient space to add for example a MAGBES (Managed Gigabit Switch) and/or SSD/HDD, etc. MIL housings are available as well.

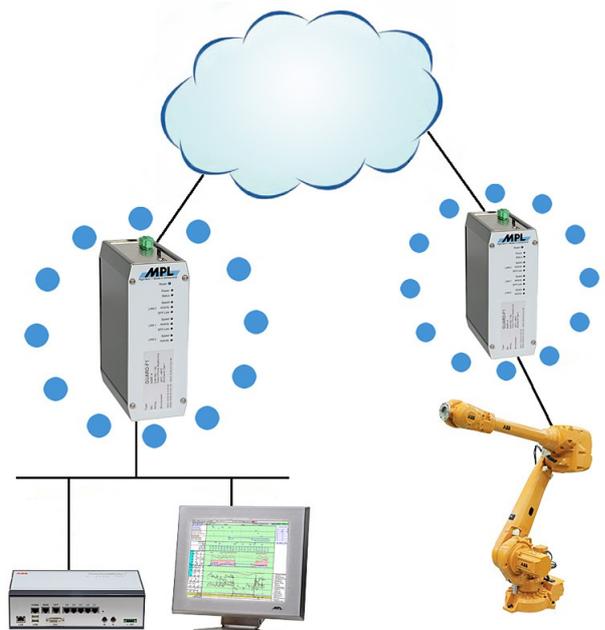
The GUARD can be operated from -20°C to 60°C, and additionally in extended temperature environments (-40°C to 85°C), of course fanless.

The capability to offer copper ports as well as SFP ports for various fiber optical solutions make the product universal. The internal miniPCIe slot, allows various extensions such as WLAN or GPRS. In addition, the unit provides an external available USB connector and a microSD Memory Card Slot, allowing easy logging and/or configuration capabilities.

The GUARD-F1 can be customized over an optionally back-plane which makes additional interfaces available: 2 SATA Ports, 3 USB Ports, and 2 PCI express Ports.

Other key Features are;

- Wide Input voltage range (8V – 36VDC)
- 3 x 1Gbit Ethernet ports, two can be used either as RJ45 or as SFP port
- Supports SFP Modules, which conform to the SFP Multi Source Agreement (MSA) according INF-8074
- 100Base-FX or Gigabit Ethernet compatible (Single and Multimode)



The GUARD-F1 units are developed and produced in Switzerland based on more than 25 years company tradition and a huge know-how in lowest power consumption and extended temperature operation.

Further information about the GUARD-F1 or MPL is available on our home page [www.mpl.ch](http://www.mpl.ch) or by email [info@mpl.ch](mailto:info@mpl.ch).