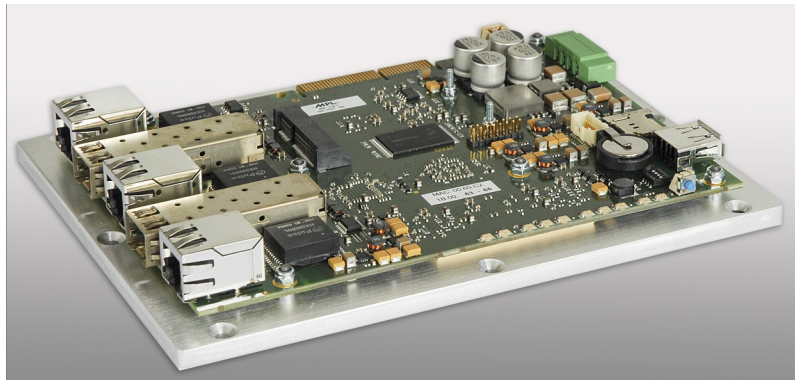


Compact rugged Open Frame GigE Firewall and VPN Router

Ideal solution for new or existing application where space is limited

MPL AG expands the Industrial Ethernet product range with a new rugged Gigabit Firewall and VPN Router. The Open Frame design enables customers or system integrators to integrate the system into their own enclosures.



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The GUARD-F1 Open Frame 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 are: remote monitoring & maintenance, secure communication in automation, etc.. The GUARD-F1 Open Frame is mounted on a cooling plate and includes three Gigabit Ethernet interfaces. Two of them are either available as copper or SFP ports, the third is copper only. The special design enables the system to operate in harsh environments without a fan or additional ventilation.

The uniqueness is the small space the solution requires. This allows to install it in almost any place or to use it with existing housings. The GUARD can be operated from -20°C to 60°C, and additionally in extended temperature environments from -40°C up to 85°C, of course fanless.

The availability of copper ports as well as SFP ports for various fiber optical solutions make the product universal. The internal miniPCIe slot supports various extensions such as WLAN or GPRS. In addition, the unit provides an externally available USB connector and a microSD memory card slot, allowing easy logging and/or configuration capabilities. The GUARD-F1 Open Frame can be customized over an optional backplane, providing additional interfaces like 2x SATA, 3x USB, and 2x PCI Express ports.

Other key features are:

- Wide input voltage range of 8V–36VDC with reverse polarity protection
- 3 x 1Gigabit Ethernet ports, two can be used either as RJ45 or as SFP port
- Supports all SFP modules which conform to the SFP Multi Source Agreement (MSA) according INF-8074
- 100Base-FX or Gigabit Ethernet compatible (single and multimode)
- OpenWRT open source operating system to control security

The GUARD units are developed and produced 100% in Switzerland by MPL AG, based on more than 28 years company tradition and a huge know-how in lowest power consumption and extended temperature operation.

For more information about the GUARD-F1 Open Frame, visit www.mpl.ch

About the Company

MPL AG is located in Switzerland in the town of Daettwil near Zurich and was founded in 1985 by Rudolf Hug. Since 1985, MPL AG has been developing and manufacturing industrial PCs (boards and systems) for industrial needs and industrial controls with a high quality standard. The success of the company is based on various unique solutions: a rugged, PC compatible industrial concept, long-term availability of our products, low power consumption, extended temperature range, and passive cooling concepts (fanless).

Think Long-Term - Think MPL

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