

New smallest Engineered Firewall / Router / Access Point for tough Environments

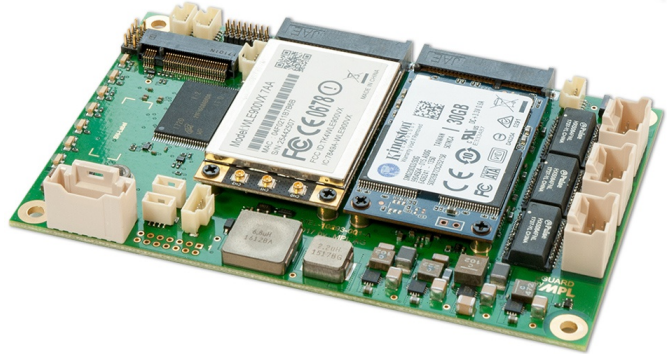
The latest μ GUARD is a Firewall / Router / Access Point with long-term availability. The design is optimized for ultra low power consumption, small size (SwaP) and highest flexibility, plus the capability for extended temperature of -40° up to $+85^{\circ}\text{C}$.

Dättwil Switzerland, November 2019

The new rugged μ GUARD can be expanded with additional 10 ports over the μ MAGBES (managed 10-port switch). The μ GUARD and μ MAGBES add additional reliable and unique products to MPL's Industrial Network Solutions.

The μ GUARD comes with features like:

- Wide Input voltage range 8–36VDC (others on request)
- 3 x 1Gbit Ethernet ports
- 10/100/1000 Mbit support
- Easy integration of 10-port switch (μ MAGBES)
- 2 x mPCIe slot
- 1 x M.2 slot with dual SIM support
- Proven OpenWRT operating system
- Long-term availability



The internal two miniPCIe slots and the M.2 slot allow various extensions (WLAN, GPRS, LTE, mSATA SSD, ...). The μ GUARD is available as OpenFrame on a cooling plate to be mounted in existing housings or cabinets. Fiber can be provided over an additional modul (TX2FX). Alternatively MPL offers a firewall solution with RJ45, M12, or MIL-38999 connectors. The standard operation temperature range is -20°C to $+60^{\circ}\text{C}$ and is optionally available in extended temperature of -40° up to $+85^{\circ}\text{C}$.

The μ GUARD comes preinstalled with an adapted version of OpenWRT (www.openwrt.org). This Linux based embedded distribution provides all functionality required for operation as IPV4 and/or IPV6 firewall and router. The vast amount of additional packages available in conjunction with MPL support, allows to create a solution for every routing or firewall project.

The rugged μ GUARD is the ideal and most secure solution for all rugged industrial, public transportation, and defense applications, where quality, reliability, ultra low power consumption, and long-term availability are key.

All MPL products are designed for long-term availability and the μ GUARD will be available for at least 10 years. MPL's own component stock guarantees repairs for up to 20 years. Extended temperature ranges can be fulfilled and are tested in MPL's own climatic chambers according customer's request.

The μ GUARD is 100% engineered & manufactured by MPL AG in Switzerland and meets or exceeds the most common standards. Particular references are: EN 55022, EN 55024, EN 61000, MIL-STD-461E, EN 60068, EN 50155, MIL-STD-810G, EN 60601, EN 60950, CE, IEC 60945, IACS and E10.

For more specific information, please visit www.mpl.ch/t2874.html or contact MPL AG directly.

Contact information

Remy Lörtscher
MPL AG
Täferenstrasse 20
CH-5405 Dättwil, Switzerland
Phone: +41 (0)56 483 34 34
info@mpl.ch - www.mpl.ch

