

## The extreme rugged Computer Solution now with 8<sup>th</sup> & 9<sup>th</sup> Generation Intel CPU

With the PIP40, MPL presents the newest fanless embedded computer family with the 8<sup>th</sup>. generation Intel processors. Decades of experience (since 1985) in developing and producing extremely robust embedded solutions have made the PIP40 Family possible. In the near future the 9<sup>th</sup>. CPU generation from Intel can also be used on the PIP40 platform.

**Dättwil Switzerland, June 2019**

Fit, Form and Function (FFF) of the PIP and the unmatched reliability are key arguments. Shock and vibration, extended temperatures complete the rugged and long-term available PIP40 Family. The basic version is equipped with interfaces such as display port, DVI-D, USB 3.1, RS232/422/485.... Further expansions will be done over the internal expansion interfaces such as mPCIe, m.2 or PCIe/104. WLAN, LTE, GPIOs, CAN... can easy and quickly be integrated into the systems. This makes the solution flexible and cost efficient customizable. As mass storage, SATA, mSATA and m.2 can be chosen.



Your application needs TPM 2.0 (Trusted Platform) support? No issue, it is available as add-on module. The PIP40 Family can be put into various standby mode levels (even below 95 mW) and with Wake On LAN (WOL), the system can be started. The operational power consumption is between 5 and 65 W and the power consumption level can be limited. This enables the use for power saving as well as for power hungry applications. The vPro technology expands the use of the PIP40 Family solution. Further finesses and gadgets of the PIP40 Family can be found on MPL's homepage [www.mpl.ch](http://www.mpl.ch).

The first solution of the PIP40 Family MPL is offering is the PIP46 with the i7-8850H embedded CPU. The PIP46 is now available in MPL standard housing with DIN-Rail or flange mounting. Further housings such as MIL and 19" racks are in preparation. The open frame version (CPU board on cooling plate) is best suited for installation in an existing cabinet and tight areas. For applications with vibrations, the solution can be supplied with lockable headers. Customized versions are MPL's strength!

The PIP40 Family 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 PIP40 Family 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/t24g0.html](http://www.mpl.ch/t24g0.html) or contact MPL AG directly.

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