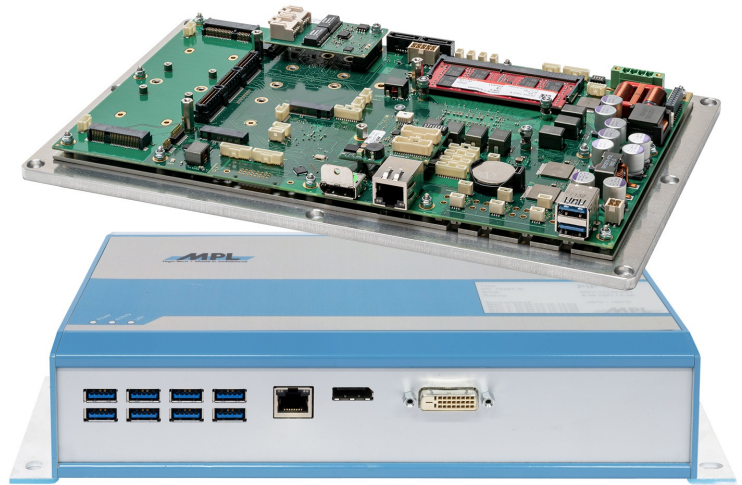


The latest Fanless Embedded Computer Solution with 9th Gen Intel CPU

With the PIP40, MPL presents a new fanless embedded computer family based on the 9th. generation Intel processors. Decades of experience (since 1985) in developing and producing extremely robust embedded solutions have made the PIP40 Family possible.

Dättwil Switzerland, October 2019

One new member of the PIP40 Family is the PIP44 with the i3-9100HL embedded CPU. The PIP44 (TPD 25W) is available in MPL standard housing with DIN-Rail or flange mounting. Further housings such as IP67 enclosure and 19" rack version are in preparation. The open frame version (CPU board on cooling plate) is best suited for installation in existing cabinets and tight areas. For applications with vibrations, the solution can be supplied with lockable headers. Customized versions are MPL's strength! Further CPUs of the PIP40 Family are available and can be found on MPL's homepage www.mpl.ch.



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 also 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 savings as well as for power hungry applications. The vPro technology expands the use of the PIP40 Family solution.

All MPL products are designed for long-term availability and 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 or contact MPL AG directly.

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