

Press Release

MIL-Server Solution PIP49R-MLRK1 built in half-size 19" rack

With the special engineering know-how and many years of experience, MPL designed another milestone in its 38 years of engineering. The PIP49R-DSO1, a conductive cooled Xeon E-2276 9th generation CPU system, designed as dual-solution to fit on a 19" rack. The solution is conductive cooled, requires no fan, and can be operated in an environment of -40°C up to +85°C.

Dättwil Switzerland, July 2023 - The PIP housings offer sufficient space for 2.5" SSD or other expansions (UPS, RAID..). Two mPCIe and two m.2 slots allow to expand the system very easy. The internal expansion bus allows to integrate PCIe/104 or PCIe cards. These expansion possibilities give a maximum on customization for additional interfaces and features. Particular precautions during the design have been taken that the entire system EMC is within the CE and FCC limits and standards like EN50155, IEC60945 or MIL-STD-810 can be met.



Key features are:

- Up to 64GB DDR4 memory
- Fanless operation, also from -40°C to +85°C
- Rugged design
- Long term availability
- Extremely flexible
- AMT / vPro support



The PIP Family has been designed to withstand any harsh environments and extreme temperature conditions. The special rugged design, combined with the best industrial-grade components, offer high reliability and long-term performance.

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. The PIP40 Family meets or exceeds the most common standards. Particular references are: IEC60945, EN50155, EN55022, EN55024, EN61000, MIL-STD-461E, EN 60068, MIL-STD-810G, EN 60601, EN 60950, CE, IACS and E10.

For more specific information, please visit www.mpl.ch/t24g0.html or contact MPL AG directly.

About the Company

MPL AG is located in Switzerland and was founded in 1985. Since the beginning, MPL stands for robust designs, long-term availability, low power consumption, and fanless concepts. The products are designed from scratch to succeed in extended temperature and meeting the high demands of rugged environments.

Contact Information

Robert Grueter
MPL AG, 5405 Dättwil, Switzerland
Phone: +41 56 483 34 34

Hi-res Press Photo: <https://www.mpl.ch/info/PIP49R-MLRK1.jpg>