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Press Release

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10 years Packaged Industrial PC Concept from MPL Since 10 years with the same Form, Fit & Function

1997 MPL introduced the PIP5, one of the first Packaged Industrial PC in the market. We designed the CPU board, the mechanics and housing specifically according our needs – fanless, extended temperature, long-term available and rugged enough for harsh applications. The first board design was based around the 5x86 CPU. The very same product still can be purchased in 2007 – Unique in this industry! The latest model we now introduce is a solution with the Intel Core Duo – still in the same housing we designed 10 years ago!

Within the 10 years we expanded to the original housing solution allowing to install up to six PC/104 or PC/104-Plus cards, up to six PMC cards or even up to four PCI cards. Further the concept offers a new IP67 protected solution for outdoor or defense applications.



The PIP product range is available with various low power processors from 5x86 up to Intel Core Duo. All used processors are from the embedded roadmap with a long-term availability guarantee. PIP products are specifically designed to withstand extreme conditions (cold, heat, dust, shock, vibrations, unmanned...) hence they still can be operated as a common PC with standard SW. The differentiation to other Industrial PCs is the design and construction of the PCB, the on-board EMI/RFI protection, the versatile housing, the selection of long-term available components and the real wide operating temperature range.

The Thermal Design Power (TDP) of the PIP solution is done such way that it can be operated with maximum CPU load from -40°C up to +75°C ambient temperature. This wide temperature range is reached without CPU de-rating, the need of a fan or special openings. The key to get a successful product in this range, is to keep the total system power consumption as low as possible.

The compact & robust housings (162 x 270 x 62/83/120mm) consist of internally chromated and externally either powder coated or anodized aluminum. All externally available connectors are standard PC connectors. The PIP Concept includes on-board a power supply that works with a wide input voltage of 8 – 28VDC (optionally up to 48VDC). The systems can be ordered complete, semi finished or customer specific as required by our customers.

The real industrial design, the flexibility and expandability as well as the reasonable cost, make the products within the PIP Concept to the ideal solution for any application where a reliable Industrial PC is needed.

For more information about the Unique Industrial PC Concept contact us via Fax, email or consult our Home Page (www.mpl.ch).