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## PMC Slot extension for fanless embedded PC

### Support for up to three PMC modules in all PIP's

The MPL fanless, compact and robust Packed Industrial PC series (PIP) can now be expanded with up to three standard PCI Mezzanine Cards (PMC) modules! The customer gets the possibility to use robust standard PMC modules in a small hard packed embedded PC and benefits at the end from a integral compact, rugged and reliable PC solution.

The PIP specific PMC baseboard (PIPPMC-1) supports the required +3.3V, +5V, -12V and +12V to the PMC modules. Depending on the  $\pm 12V$  option, either  $\pm 250mA$  is available for all three PMC slots or  $\pm 250mA$  for each of the three PMC slots. The used  $V_{IO}$  voltage for the PMC modules is customer selectable with key bolts on the baseboard between 3.3V and 5V.



To give the user a maximum expansion flexibility, the solution offers sufficient space for an additional PC/104-Plus card even if the PMC baseboard is stacked into the PIP with only 83mm heights.

The combination of PIP and PIPPMC is a complete, compact and clever system solution for harsh environment and mission critical applications. The added PMC slots in a fanless, rugged, small packed PC like the PIP offer new possibilities in defense, avionics and railway projects.

The PIP series is offered with a wide processor range from 5x86 with 133MHz up to Pentium M with 1.8GHz! Due to the excellent power efficiency all PIPs can be ordered in extended temperature versions, for  $-40^{\circ}C$  up to  $+75^{\circ}C$ , without the need of fans or any opening in the rugged aluminum housing. MIL versions are available too.

All MPL products are designed, produced and tested in Switzerland. MPL is your reliable partner to work with today as well as tomorrow.

Further information about the PIPPMC or MPL are available via Fax, email ([info@mpl.ch](mailto:info@mpl.ch)) or on our Home Page ([www.mpl.ch](http://www.mpl.ch)).