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## Smallest Pentium-M solution without missing anything Rugged and fanless PC/104 solution with cooling concept

MPL presents with the MIP10 a most powerful fanless PC/104 solution with a standard wide temperature range from -20°C up to +60°C as well as in extended temperature. The MIP10 represents a distinguish solution for today's demanding industrial needs and x86 upgrades. The product is focused on markets with requirements like long-term availability, small size, wide temperature range, ruggedness, and reliability. The solution is also available with conformal coating and in extended temperature.



The MIP10 is a complete Industrial PC on a footprint smaller than two credit cards. The design is based on the Intel Centrino Mobile Technology. The Board incorporates the low Power embedded Pentium-M® 1.4GHz with 2MB L<sup>2</sup> cache. The MIP10 comes with a full set of PC features including Gigabit Ethernet. In addition specialties specifically made for the rugged industrial environment where the solution will be used like, on-board soldered CPU and ECC protected SDRAM, Compact Flash slot, SATA interface just to name few. Also two serial ports are integrated next to four USB ports. Further can the MIP10 easy be expanded for all requirements over PC/104 as well as PC/104-Plus. All interfaces are available on lockable headers to insure a safe connection even in areas where vibrations can not be avoided.

The MIP10 is designed from scratch to operate under extreme and normal conditions without the need of fans or without de-rating or throttling. The special engineering results in a unique solution for PC/104 stacks for a conducted cooling method. The MIP10 is rugged enough to be used in any application. The product is designed and produced in Switzerland.

These features make the MIP10 the ideal solution for any application where a high performance PC with a low power consumption and long-term availability is required. Furthermore where a high quality, very rugged, extreme small size, fully PC/104 form factor compliant, and easy expandable Embedded PC is welcome. The MIP10 is used in applications like vision, medicine, transportation systems, defense, airborne, and as well as in industrial applications. Because of its size the MIP10 is ideal for areas that need to upgrade existing x86 PC/104 CPU boards.

For more information about the MIP10 please contact us via Fax, email or consult our Home Page ([www.mpl.ch](http://www.mpl.ch))