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PowerPC Inside! PC/104 SBC with a PowerPC CPU

MPL expands its MIP* Concept with a PowerPC solution. The new product called MIP405 is equipped with the highly integrated embedded PowerPC processor from IBM (PPC405GP with 375MIPS@266MHz). The MIP405 offers next to PC/AT features industrial specialties like: 4 serial and 2 USB ports, 2 IDE ports (44-pin), 10/100 Ethernet..... The MIP405 can be equipped with up to 128MB on-board soldered SDRAM (ECC support), up to 4MB on-board soldered Flash and over the multi purpose socket SRAM, EPROM, Flash and DiskOnChip modules can be used.

The MIP405 comes with the open source PPC Boot loader. Various boot sources are available (USB, Floppy, IDE, FLASH....) Also Linux distributions are in preparation available for the MIP405. Realtime OS BSP are in preparation from several suppliers. For more information just get in touch with us.



The MIP405 is available 0°C to +60°C and optionally for -40°C to +85°C without the need of a heat sink or a fan. Special efforts have been taken on the quality of the components and their long term availability as well as the low power consumption of the system (< 4 Watts).

All interfaces are ESD protected according to the latest know-how. The MIP405 can be operated with 5VDC. The PC/104 board can be expanded with any PC/104 & PC104+ expansion board. Packaged development systems are available from stock with the bootloader and/or a Linux distribution. MPL offers together with the products professional Engineering, Support and Consulting for the HW and SW.

All these features and its reasonable cost, make the MIP405 the ideal solution for any application, where a flexible, rugged long term available complete Industrial PC is needed. All MIP Concept products can be ordered according to the customer requirements and needs.

For more information about the MIP405 with the "PowerPC Inside" please contact us via Fax, email or consult our Home Page (www.mpl.ch)

* The name MIP stands for a "compact, robust, low power, fanless, ready to use" SBC with a long term availability guarantee.

For the new design MPL used their over 15 years experience in designing & producing processor boards. The boards are used worldwide in applications of the Industry, Aviation, Medicine, Vehicles etc. The MIP product line incorporates fully the company philosophy of high quality, low power and extended temperature at reasonable cost. MPL is an ISO 9001 certified company.