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module solutions

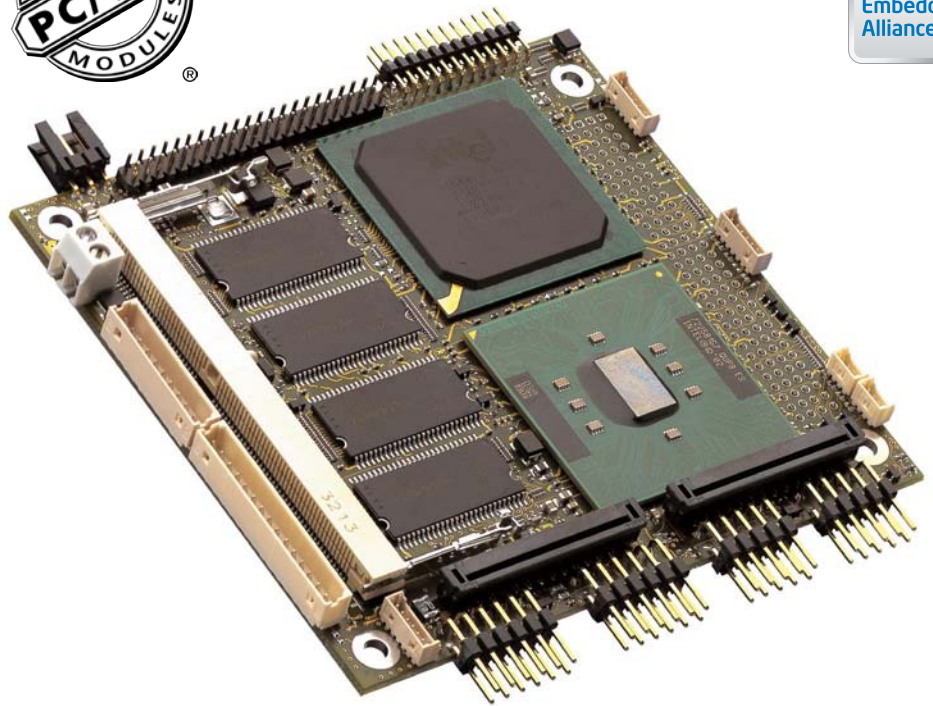
APPLICATIONS

The M1 CPU board was designed as entry level board with an excellent price/performance ratio, powered by proven Intel® technology.

The M1 board compliant to PC/104™ standard finds its field of work in desktop and mobile devices.

- Rugged Industrial Systems
- Medical Solutions
- Automatic Control Panels
- Information Systems
- Measurement & Quality Control
- Public Terminal

M1 CPU



- ▶ Powered by proven technology including the Intel® Pentium® III and Celeron® processors
- ▶ 32-bit PCI™ interface support
- ▶ Single +5 V power supply
- ▶ The Intel® 815E Chipset integrates graphic functions to support Analog VGA and DVI interfaces
- ▶ Special features for industrial applications have been integrated into the PROFIVE® M1 BIOS
- ▶ 128 MB / 256 MB SDRAM on board
Up to 512 MB with optional SDRAM module
- ▶ Parallel port, two RS-232 ports and two USB ports are on board
- ▶ Works with standard components according to PC/104™ specification
- ▶ The PROFIVE® M1 is ready to support various operating systems
- ▶ Design, Production and Support "Made in Germany"

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LIFE SUPPORT APPLICATIONS

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M1 CPU

CPU	Intel® Celeron® low power processors 400 MHz / 256 KB cache 650 MHz / 256 KB cache Intel® Pentium® III low power processor 933 MHz / 512 KB
Chipset	Intel® 815E
PC/104™ form factor	Yes
Max. memory	128 MB / 256 MB PC133 SDRAM on board Up to 512 MB with optional SDRAM module
BIOS	Award flash BIOS from Phoenix
32-bit PCI™ bus	Yes
IDE interface	Yes (ATA/100)
10/100 Mbit Ethernet	Yes
USB 1.1 ports	Yes
Analog VGA	Yes
DVI	Yes
RTC with external battery connector	Yes
PS/2 keyboard/mouse port	Yes
3½" floppy support	Yes
RS-232 port	2 (Optional IRDA with external transceiver)
Parallel port	Yes
ISA bus	Optional with EISAB module
Power requirements	Single +5 V supply
Max. operating temperature	0°C to +60°C ambient or 0°C to +70°C at any point on the surface
Max. storage temperature	-20°C to +100°C
Size approx.	96 mm x 90 mm

