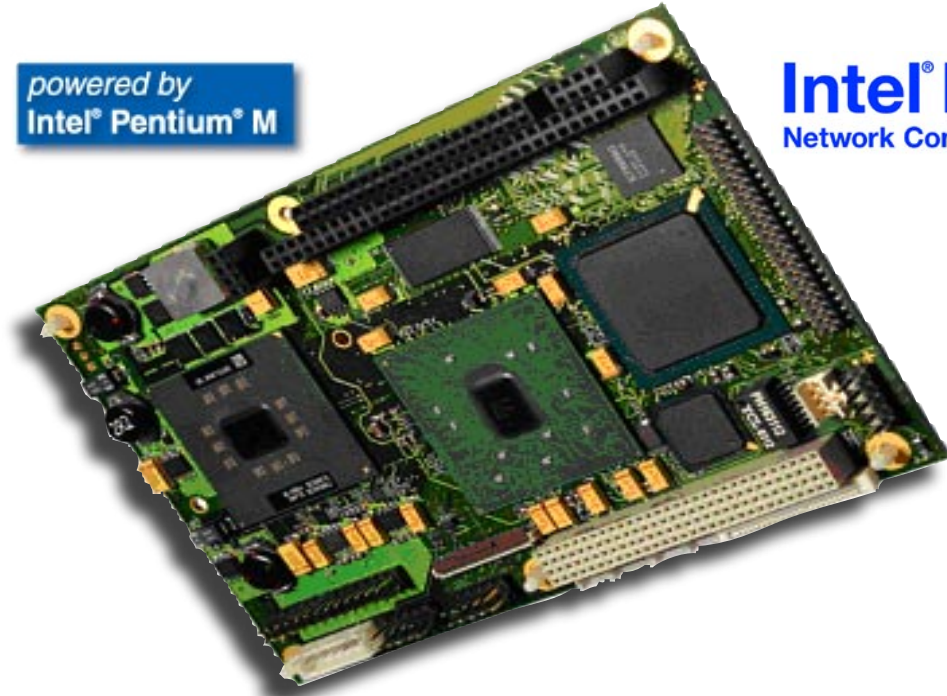


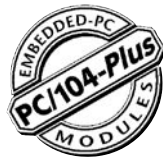
speedMOPSlcdPM

powered by
Intel® Pentium® M

Intel® PRO
Network Connections



product shown without cooling devices



Intel®
Communications.
Alliance
Premier Member
GOLD

- ▶ Combine embedded ISA IO with Pentium M to the next level
- ▶ Intel® Pentium® M 1.8 GHz or
- ▶ Intel® ULV Celeron® M 1.0 GHz or
- ▶ Intel® processor 800MHz, 0KB L2
- ▶ PC/104plus-Bus Compliant, use with COTS PC/104plus IO
- ▶ onboard DUAL Panel Graphics, Sound, LAN, 2x USB 2.0
- ▶ 2 x IDE 44pin interface

Product Overview

A breathtaking high performing PC/104plus-Bus-Compliant module with Intel® Pentium® M and Celeron® M with 800 MHz to 1.8GHz.

The speedMOPSlcdPM runs with a highly integrated Intel® 855GME chipset and ICH4 southbridge. This allows to use DDR-RAM-SODIMM up to 1 GByte and provides 2x USB 2.0. The graphic engine is the Intel Extreme Graphics 2 engine with 2x32MB VRAM UMA for CRT & LCD. Special features are PC/104plus (ISA & PCI) compliant expansions as well as the JILI-Interface for instant Panel adaption. The board comes complete 2x USB, 2x COM, LPT, FDD, 2x EIDE, Keyboard, Sound and PS/2.

The speedMOPSlcdPM is a proven concept that enhances PC/104. The processor is pragmatically located outside of the typical PC/104 „sandwich“ footprint that is formed when two or more PC/104 boards are attached, thus facilitating optimal cooling of high-performance CPU boards.

The new form factor supports all current and forthcoming PC/104 I/O expansion modules.

Since speedMOPS CPU boards fit into traditional 3.5- inch housings, the cost of enclosures is kept to a minimum. speedMOPS CPU boards provide OEMs and end users with an effectively cooled high-performance (greater than Intel® Pentium® III) solution for attachment to PC/104 expansion modules. The boards also guarantee the long-term validity of the PC/104 I/O specification, which includes the ISA bus.

All speedMOPS PC/104 boards are Plug&Work compatible, which considerably reduces the time to market. All speedMOPS PC/104 provide the same pinout for keyboard, COM1 and COM2, 2x44pin IDE, 2xUSB, LPT as well as LAN. This is the common MOPS-family feature, which eases the upgradeability enormously within the Kontron MOPS PC/104-products.

With Kontron You stay...always a Jump ahead!

Technical Data

➤ Full PC/104plus Bus compliant Industry Standard

➤ PC/104 ISA & PC/104plus PCI

➤ **Processor:** Intel® Pentium® M (Dothan), 1.8GHz, 2MB L2
Intel® ULV Celeron M (Dothan), 1.0GHz, 512KB L2
Intel® processor 800MHz, 0KB L2

➤ **Chipset:** Intel® 855GME, ICH4

➤ **Chipset features:** USB 2.0
integrated Graphic engine

➤ **On-chip Graphics:** Intel® Extreme Graphics 2 engine,
2x 32 MByte VRAM UMA

➤ **Graphic Interfaces:** CRT and LCD (JILI)

➤ **RAM** DDR-RAM-SODIMM for up to 1 GByte

➤ **COM** 2x RS232

➤ **USB 2.0** 2x

➤ **10/100 BaseT Ethernet** 1x

➤ **extensions** PC/104 (ISA) & PC/104plus (PCI)

➤ **Sound** ✓

➤ **EIDE interface** 2x UDMA-33

➤ **Floppy Interface** ✓

➤ **Printer Interface** ✓

➤ **Keyboard/Mouse Controller** ✓ / ✓

➤ **LANBoot** ✓

➤ **DarkBoot** ✓

➤ **Watchdog** ✓

➤ **HW Monitor** ✓

➤ **Real Time Clock** ✓

➤ **Dimensions:** 96x147 mm

➤ **Power Supply** 5 V only

➤ **Plug'n Play compatible to another speedMOPS and therefore exchangeable**

➤ **Temperature:** Operation: 0° to 60° C
Storage: -10° to 85° C

➤ **Max. humidity:** Operation: 10% to 90%
Storage: 5% to 95%
(non condensing)

Article	Part.-No.	Description
speedMOPSlcdPM	01041-0000-08-2	Intel® processor 800MHz (Dothan), 0KB L2
speedMOPSlcdPM	01041-0000-10-2	Intel® ULV Celeron® M 1.0GHz 373 (Dothan), 512KB L2
speedMOPSlcdPM	01041-0000-18-2	Intel® Pentium® M 1.8GHz 745 (Dothan), 2MB L2

Common features: Intel 855GME/ICH4, one SODIMM-socket for DDR-RAM, High Speed Video on-chip for CRT and LCD-Panels, 2xRS232C, 2xUSB 2.0, LPT, FDC, 2xIDE, Sound, fan, with 10/100Ethernet (10/100 MBit) and PC 104+Bus. Fan.

Longevity secured – will be available as lead free RoHS compliant.

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(0800-7253756)

speedMOPSlcd PM REVH-11142005PDL
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