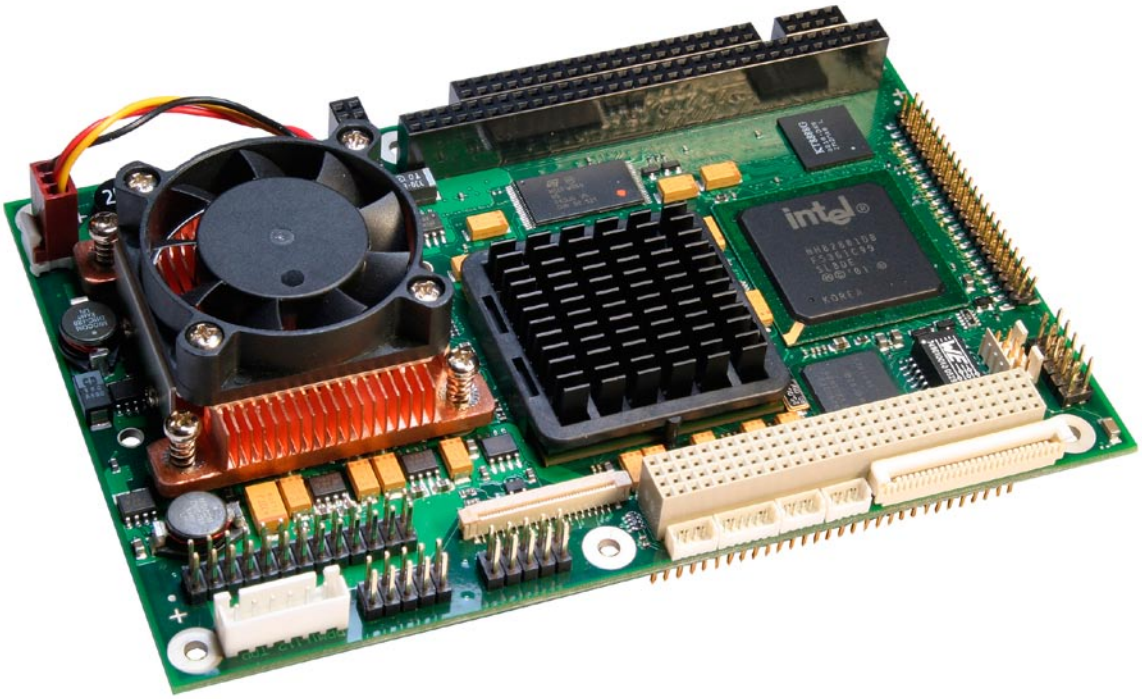
speedMOPSlcdPM



- Combine embedded ISA IO with Pentium® M to the next level

- Fanless Intel® processor 800MHz, 0KB L2 up to Pentium® M 1.8 GHz
- 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 speedMOPS*lcdPM* 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 speedMOPS*lcdPM* 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 easens the upgradeability enormously within the Kontron MOPS PC/104-products.

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)

Ordering Information

Article	Part.-No.	Description
speedMOPS*lcdPM*	01041-0000-08-2	Intel® processor 800MHz (Dothan), 0KB L2, fanless
speedMOPS*lcdPM*	01041-0000-10-2	Intel® ULV Celeron® M 1.0GHz 373 (Dothan), 512KB L2, fanless
speedMOPS*lcdPM*	01041-0000-18-2	Intel® Pentium® M 1.8GHz 745 (Dothan), 2MB L2, fan
	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.
		Longevity secured – will be available as lead free RoHS compliant.

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speedMOPS*lcd PM* REV#-25042006PDL
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