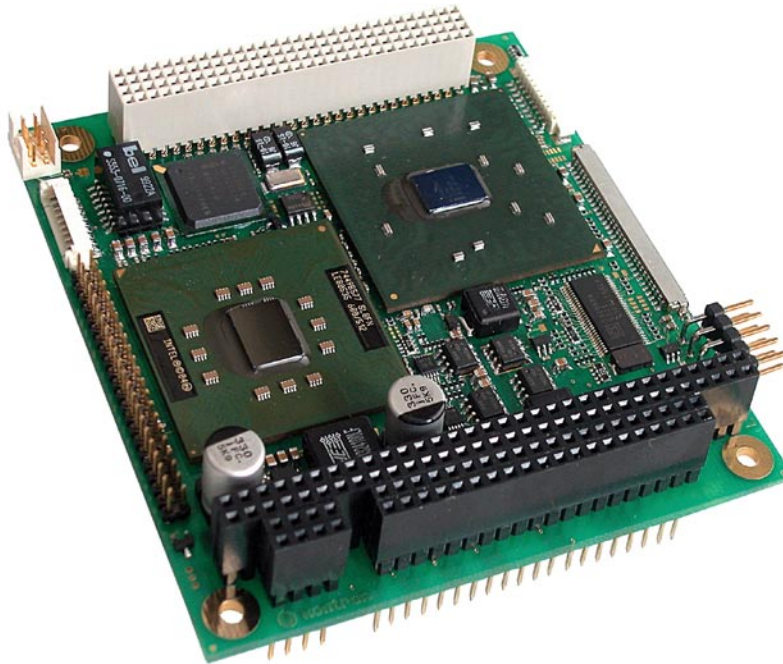


» MOPS-PM «



powered by
Intel® Pentium® M

First Intel® Pentium® M on classic PC/104 size

- » Small: classic PC/104 size (90x96mm)
- » Fast: up to 1,4GHz Pentium® M
- » 2xCOM, 2x USB 2.0, LAN, CRT/TFT
- » PC/104-Plus for ISA and PCI add-ons
- » Low cost LVDS TFT interface
- » Fast Ethernet 10/100 Mbit

MOPS-PM

First Intel® Pentium® M on classic PC/104 size

The MOPS-PM is an „all in one“ Intel® Pentium® M based PC/104plus with consistent 90x 96 mm classic PC/104-Plus size. Despite the very compact 90x 96 mm size format it's possible to integrate the ISA- & PCI-bus and a full featured set of interfaces. Beside all standard interfaces (2 x COM Ports, LAN, CRT, LPT, EIDE, 2 x USB 2.0) a high speed on chip video controller (Intel® Extreme Graphics 2 engine) is

available. It can operate CRT monitors and LCD flat panels in parallel even with different screen content (Dual Head Graphics). Flatpanel displays with highest resolutions can be connected. Up to 64 MByte of video memory (UMA) are already on chip at the graphic controller. JILI30 allows extremely low cost LVDS TFT panel adaption. An adaptor even enables connection to TTL panels.

Technical Information

Processor	Intel® Pentium® M (Dothan), 1.4GHz, 2MB L2 Intel® ULV Celeron® M (Dothan), 1.0GHz, 512KB L2 Intel® Mobile Celeron® M processor 600MHz, 512KB L2
Chipset	Intel® 855GM/852GME, ICH4
Memory	1 x DDR-RAM-SODIMM socket up to 1GByte
Graphic	Intel® Extreme Graphics 2 on-chip engine with shared 2 x 32 MByte VRAM UMA LVDS by JILI30, TTL via Adapter and CRT, Backlight Connector
I/O Features	1 x CRT Interface, 2 x RS 232C Serial Interfaces 1 x LPT (Parallel Port, flatfoil, on bottom side), PS/2 Mouse & Keyboard Controller
Hard Disk	1 x EIDE Harddisk Interfac, (44pin, 2mm)
USB	2 x USB 2.0, with Legacy support
Ethernet	10/100 BaseT Ethernet (Intel®)
Expansion Interface	PC/104 Bus Interfaces (AT Bus, XT Bus, Power), PC/104-Plus Bus Interface (for ISA and PCI add-ons)
Form Factor	90 x 96 mm, PC/104-Plus Classic size
Common Features	LANboot (PXE), DarkBoot, Watchdog, Real Time Clock
Power Supply	5V only
Temperature (*)	Operating: 0° to 60° C (with appropriate airflow), Storage: -10° to 85° C
Max. Humidity	Operating: 10% to 90%, Storage: 5% to 95% (non condensing)

(*) Ask about extended temperature ranges

Ordering Information

Article	Part.-No.	Description
MOPS-PM	01060-0000-06-3	Intel® Processor Celeron® M 600MHz 512KB L2 cache (Banias); ISA&PCI
MOPS-PM	01060-0000-10-2	Intel® Processor Celeron® M 1GHz Hz 512KB L2 cache (Dothan); ISA&PCI
MOPS-PM	01060-0000-14-2	Intel® Processor Pentium® M 1.4 GHz 2MB L2 cache (Dothan), ISA&PCI
MOPS-PM-Coolerkit	01060-0000-99-0C01	Coolerset MOPS-PM active incl. fan

CORPORATE OFFICES

Europe, Middle East & Africa

Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany

Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 279
info@kontron.com

North America

14118 Stowe Drive
Poway, CA 92064-7147
USA

Tel.: +1 888 294 4558
Fax: +1 858 677 0898
info@us.kontron.com

Asia Pacific

17 Building,Block #1,ABP.
188 Southern West 4th Ring Road
Beijing 100070, P.R.China

Tel.: + 86 10 63751188
Fax: + 86 10 83682438
info@kontron.cn

