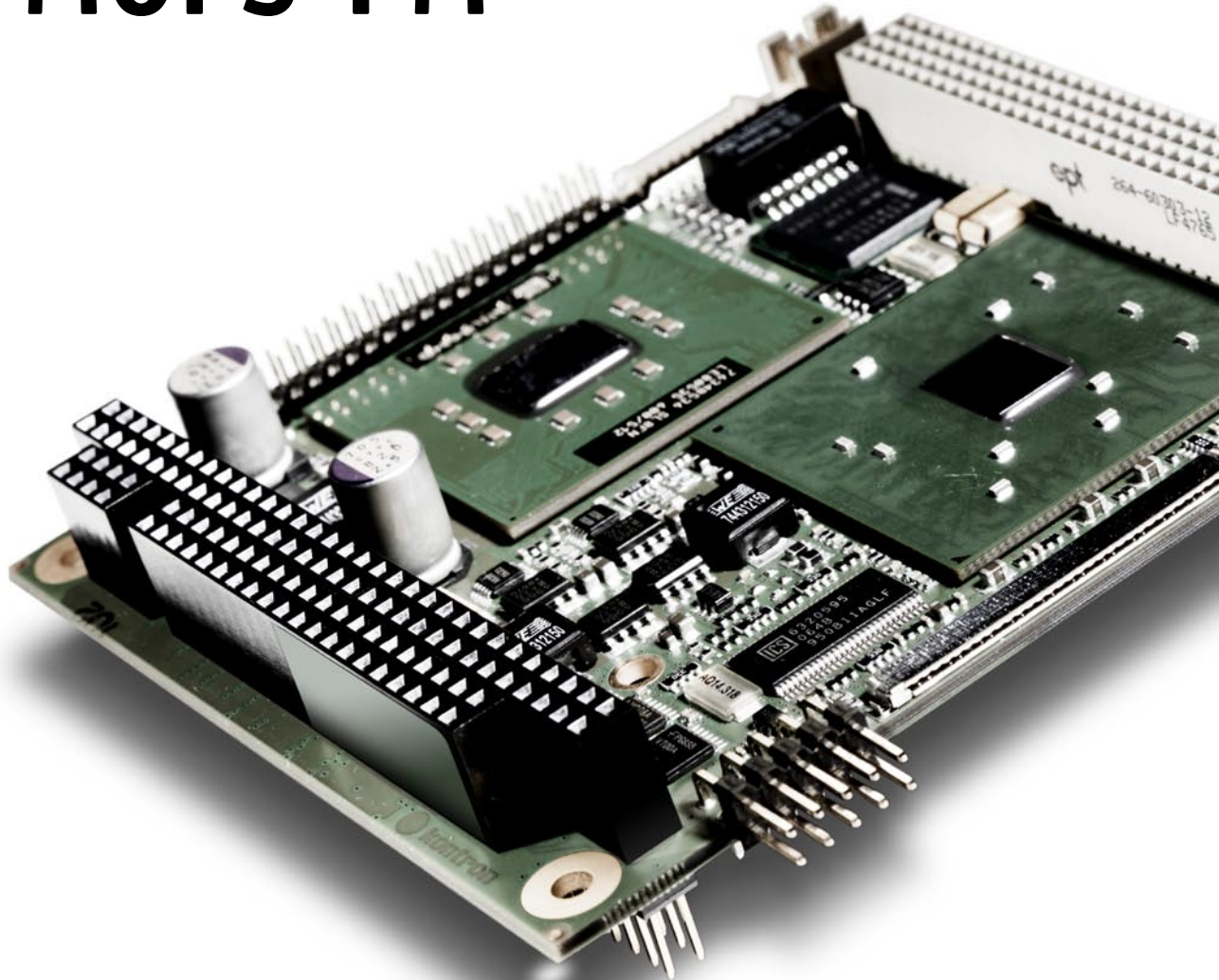




MOPS-PM



powered by
Intel® Pentium® M



▶ Small

just classic PC/104 size (90x96 mm)

▶ Fast

Intel® Celeron® M and Intel® Pentium® M performance

▶ Communication

2xCOM, 2x USB 2.0, LAN, CRT/TFT
and PC/104plus for ISA and PCI add-ons

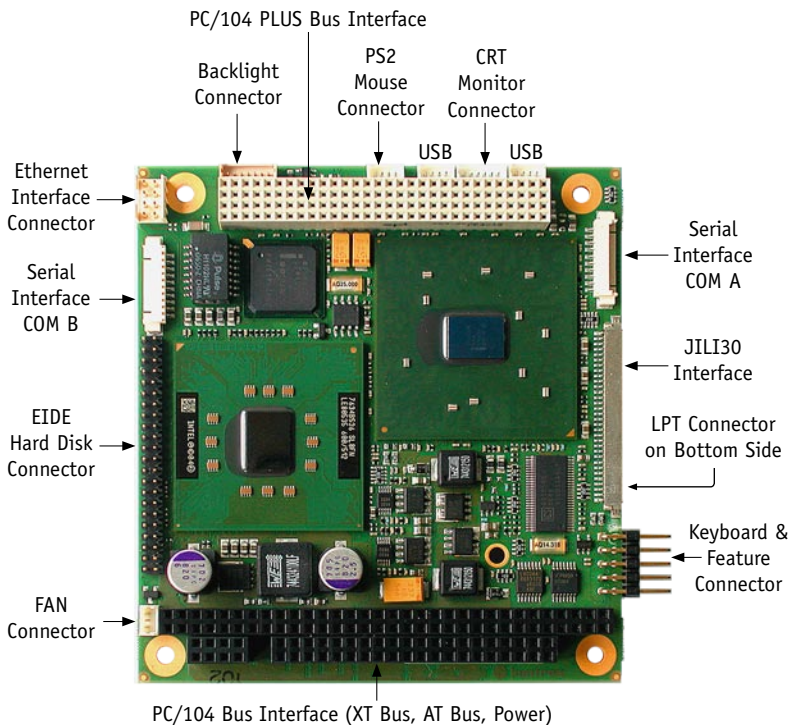
Product Overview

The MOPS-PM is an „all in one“ Intel® Pentium® M based PC/104plus with consistent 90x 96 mm classic PC/104plus 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 COM ports, LAN, CRT, LPT, EIDE, 2 USB) 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.

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 apanel 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 EIDE Harddisk Interfac, (44pin, 2mm) 1 x CRT Interface 1 x LPT (Parallel Port, flatfoil, on bottom side) 2 x RS 232C Serial Interfaces PS/2 Mouse & Keyboard Controller 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 (*)	Operation: 0° to 60° C (with appropriate airflow) Storage: -10° to 85° C
Max. Humidity	Operation: 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
KAB-Adapt-LVDStoTTL	61029	Adapter to connect TTL Flat Panels to JILI30 Interface of MOPS-PM
KAB-DSUB25-2	61033	DSUB25 female Connectors to onboard flatfoil connector FOR MOPS-PM only
KAB-SBC-SET1	96002-0000-00-1	cable set for any SBC: PS/2 keyboard, IDE, printer, one serial port, PS/2 mouse, 10/100 LAN, USB and floppy adapter

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