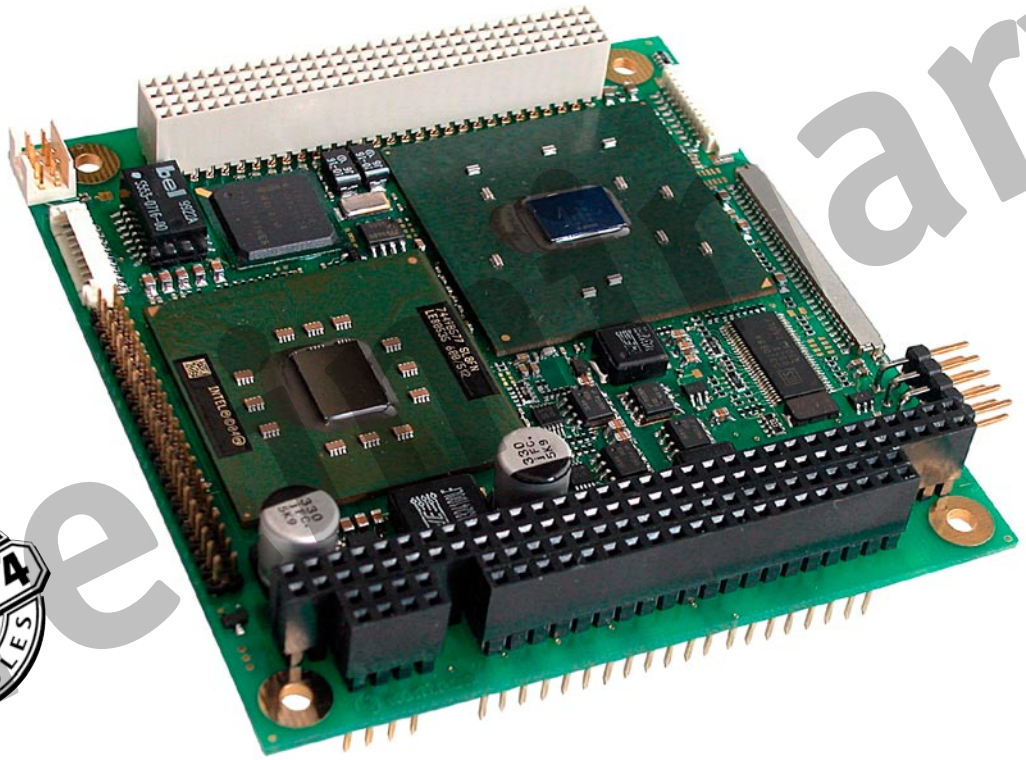
MOPS-PM

Preliminary



powered by Intel® Pentium® M

Intel Communications Alliance Premier

MEMBER OF THE YEAR 2006

- **SMALL**

  just 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 – 100% compliant to the PC/104 Consortium specifications.

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.

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

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® 855/852GME, ICH4
On chip Graphics	Intel® Extreme Graphics 2 engine 2x 32 MByte VRAM UMA
SDRAM	DDR-RAM-SODIMM socket up to 1GByte
Graphic	onchip engine with shared 2x 32MB DDR VRAM
Panel / CRT	✓ / ✓ (JILI30, and CRT)
10/100 BaseT Ethernet	✓ (Intel®)
USB	2x, with Legacy support
EIDE Interface	✓ (44pin, 2mm)
Printer interface	✓ (flatfoil)

Keyboard / Mouse Controller	✓ / ✓
RS232C	2x
LANBoot	✓
DarkBoot	✓
Watchdog	✓
Real Time Clock	✓
Dimensions	96x90 mm, (3.8 x 3.6”)
Power supply	5V only
Temperature	Operation: 0° to 60°C Storage: -10° to 85°C
Max. humidity	Operation: 10% to 90% Storage: 5% to 95% (non condensing)

Preliminary

Ordering Information

Article	Part.-No.	Description
MOPS-PM	TBD	**Intel® Mobile Celeron® M processor with 600MHz**, 512KB L2, 852/ICH4
MOPS-PM	TBD	**Intel® ULV Celeron® M 373 processor with 1 GHz**, 512KB L2, 855GME/ICH4, fan
MOPS-PM	TBD	**Intel® Pentium® M 738 processor with 1.4 GHz**, 2MB L2, 855GME/ICH4, fan
	common features	DDR-RAM-DIMM socket, 2x RS232C, LPT, IDE, 2x USB 2.0, onchip Video Controller with 2x 32MB VRAM UMA for CRT and LCD, 10/100 MBit Ethernet, Keyboard/Mouse, with PC/104plus, 90x96 mm, without Memory.

Corporate Offices

Europe, Middle East & Africa
Kontron AG
Oskar-von-Miller-Str. 1
85386 Eching/Munich
Germany
Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 219
sales@kontron-emea.com

North America
Kontron America Corporate Office
14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: +1 888 294 4558
Fax: +1 858 677 0898
sales@us.kontron.com

Asia Pacific
Kontron Asia Inc.
4F, No. 415, Ti-Ding Blvd.
Sec.2, NeiHu District
Taipei Taiwan 114
Tel.: +886-2-2799-2789
Fax: +886-2-2799-7399
sales@kontron.com.tw

Kontron Embedded Modules
Brunnwiesenstr. 16
94469 Deggendorf
Germany

Tel.: +49 (0)991/ 370 24-100
Fax: +49 (0)991/ 370 24-333
sales-kem@kontron.com

#MOPS-PM#02070701PDL - Copyright © 2003-2006 Kontron Embedded Modules GmbH
All rights reserved. No part of this manual may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), without the express written permission of Kontron Embedded Modules GmbH.
DIMM-PC®, PISA®, ETX®, ETXexpress®, X-board®, DIMM-10® and DIMM-BUS® are trademarks or registered trademarks of Kontron Embedded Modules GmbH. Kontron is trademark or registered trademark of Kontron AG.