



Technical Data

- PC/104 industry standard
- CPU: 5x86DX-133MHz
- DRAM: 4 MByte fixed on board expandable with standard DIMM-module up to 36 MByte
- bootable flash harddisk:
Version 1: **BIOS compatible:**
2 (1,6) MByte fixed soldered
Version 2: **IDE compatible:**
can be extended by chipDISK up to 96 MByte
Version 1 and 2 can operate parallel
- IDE harddisk interface (2 mm)
- Floppy interface
- Printer interface
- 2 x RS232
- Keyboard interface
- Onboard PCI C&T graphic-controller

Description

The MOPSlcd4 (Minimised Open PC System), with a computer processing performance of up to Am5x86-P75 with 133 MHz is certainly one of the most efficient and highly integrated CPU-modules in PC/104 size. In addition to the standard interfaces 2xRS232C, LPT, Floppy and EIDE, a "Boot Counter" and a Realtime clock are integrated as standard control functions. 4 MByte of main memory are already on board and can be expanded up to 36 MByte in the lower DIMM socket. The upper socket of this connector is used as JIPA (JUMPtec® Intelligent Panel Adaption) interface

for connecting LCD flatpanels. The onboard PCI C&T Graphic Controller supports mono LCD, TFT and STN displays with resolutions up to 1280x1024. 2 MByte video memory allows color depths up to 16 million colors. A bootable BIOS compatible flash harddisk with 1,6 MByte is on board. A IDE compatible flash harddisk (chipDISK) up to 96 MByte can be plugged directly onto the 2,5" harddisk interface. As an option twisted pair Ethernet is also available.

The MOPS/586 is optimized for headless operation. It includes all features of the MOPSlcd4 except graphic.

Ordering Information

Article	Part.-No.	Description
MOPSlcd4	01022-0402-13-2	Am586DX-133 MHz, 4MB DRAM, 1,6 MB Flash-Harddisk, without Ethernet, with Graphic
MOPSlcd4	01022-0402-13-3	Am586DX-133 MHz, 4MB DRAM, 1,6 MB Flash-Harddisk, with Ethernet, with Graphic
Without Graphic		
MOPS/586	01022-0402-13-0	Am586DX-133 MHz, 4MB DRAM, 1,6MB Flash-Harddisk, without Ethernet
MOPS/586	01022-0402-13-1	Am586DX-133 MHz, 4MB DRAM, 1,6MB Flash-Harddisk, with Ethernet

Accessories

Article	Part.-No.	Article	Part.-No.
MOPSlcd4-DOC	96035-0079-00-0	ADA-FLOPPY-2	96001-0000-00-0
MOPS/586-DOC	96035-0078-00-0	FLOPPY-3,5	96009-0000-00-0
DRAM-DIMM-4M	97001-0400-00-0	FLOPPY-MOPS-1	96010-0000-00-0
DRAM-DIMM-16M	97001-1600-00-0	KAB-FLOPPY-/MOPS-1	96019-0000-00-0
DRAM-DIMM-32M	97001-3200-00-0	KAB-IDE-25	96020-0000-00-0
chipDISK 8..96 MByte	option	KAB-IDE-2MM	96021-0000-00-0
chipDISK-ADA1	96004-0000-00-0	KAB-VGA-1	06025-0000-00-0
KAB-MOPS-SET2	96002-0000-00-0	Cable for Display	93...
KAB-KB-1	96023-0000-00-0	JRC1	96047-0000-00-0
KAB-DSUB25-1	96015-0000-00-0	CONV-RS485G	96014-0000-00-0
KAB-DSUB9-2	96017-0000-00-0		

- Resolutions:
640x480 up to 16 mio colors
800x600 up to 16 mio colors
1024x768 up to 64K colors
1280x1024 up to 256 colors
- LCD and CRT simultaneous
- True 64-bit graphics engine and accelerator
- JIPA interface
- 2 MByte video RAM
- Ethernet, twisted pair (option)
- 10 BaseT ethernet interface
- Setup in flash
(i.e. bootable without a battery)
- Watchdog timer
- Power fail
- Realtime clock
- Boot counter
- Dimension: 96x90 mm (3.8x3.6")
- Power consumption:
5 V, 2,4 A typ. with 4MB DRAM
- Temperature:
operation: 0° to 60°C
storage: -10° to 85°C
- Max. humidity:
operation: 10% to 90%
storage: 5% to 95%
(non condensing)