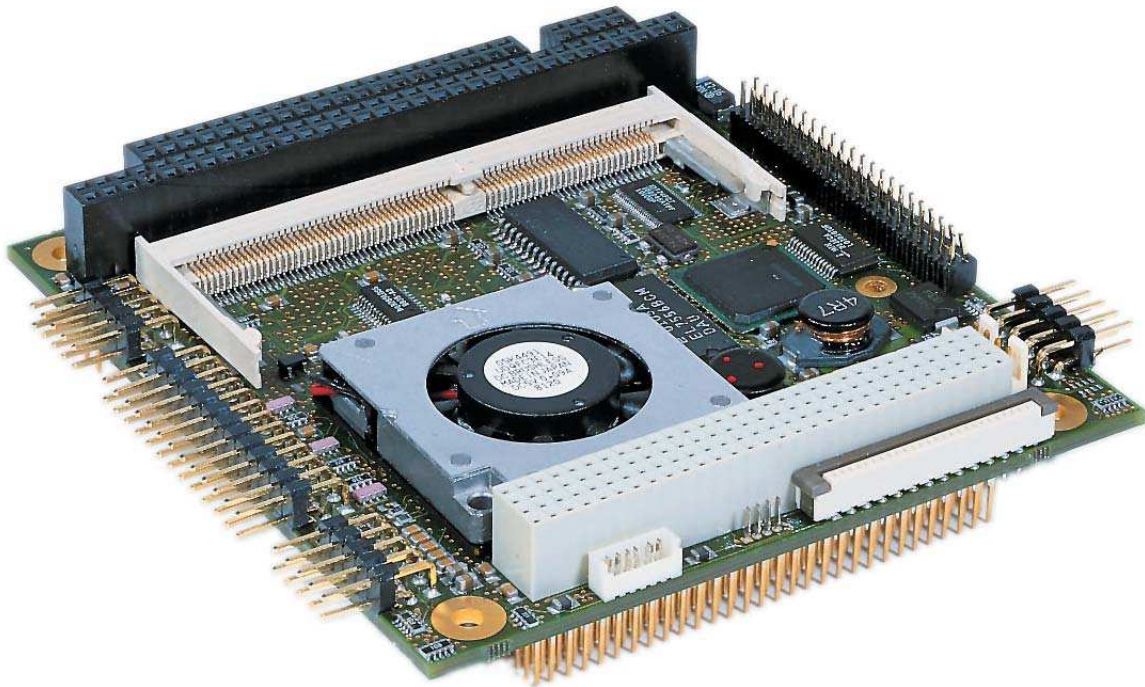


# ➤ MOPSlcd6

# ➤ MOPS/686+



**Intel®**  
**Communications**  
**Alliance**  
Associate Member  
SILVER



- Fanless 166 MHz Pentium® MMX™, up to 266 MHz (fan)
- Onboard PCI graphic, LAN, USB, COM, LPT, IDE, FDC.
- Visualisation and Communication

If it's Embedded, it's Kontron.

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... always a Jump ahead!

## Product Overview

The **MOPSlcd6** (Minimized Open PC System) with its 166 MHz Intel® Pentium® MMX™ processor offers high reliability and performance at low power consumption of max. 9 Watt - no active cooling required. The PC/104-Plus (PCI signals) enables applications with high I/O performance requirements. The **MOPSlcd6** is a high integrated CPU board which includes in addition to the standard interfaces a PCI graphic, a 10/100 MBit Ethernet and a USB interface. A watchdog timer and a realtime clock are standard. The SO-DIMM socket enables this board to be equipped with up to 256 MByte of SDRAM.

The lower socket is used as JIPA (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 SXGA (1280x1024).

A Kontron chipDISK (IDE compatible flash disk) with capacity up to 256 MByte can be plugged directly onto the 2.5" harddisk interface.

The **MOPSlcd6** is also available with 266 MHz processors. For this version a fan for active cooling is mounted. A non graphic version is as well available.

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## Technical Data

- **PC/104 and PC/104plus Industry Standard**
- **CPU:** Intel® Pentium® MMX™, 166 MHz fanless, 266 MHz fan
- **DRAM:** up to 256 MByte SDRAM-SO-DIMM
- **bootable flash harddisk:** chipDISK IDE flash drive module up to 256 MByte
- **Onboard PCI C&T Graphic-Controller on MOPSlcd6:** CT69000, 2 MByte Video RAM  
Resolutions:  
640x480 up to 16 Mio. colors  
800x600 up to 16 Mio. colors  
1024x786 up to 64K colors  
1280x1024 up to 256 colors  
LCD and CRT simultaneous True 64-bit graphics engine and accelerator
- **10/100 BaseT Ethernet** Intel® 559ER or 551ER
- **Floppy Interface** ✓

- **EIDE Interface** Ultra33 DMA mode
- **Printer Interface** SPP/EPP/ECP
- **RS232** 2x
- **USB** 1x
- **Keyboard Interface** ✓
- **JIPA Interface for LCD's** ✓
- **Setup in EEPROM** (i.e. bootable without battery) ✓
- **Watchdog timer** ✓
- **Power fail** ✓
- **Dimensions:** 96 x 90 mm (3.8 x 3.6")
- **Power Consumption:** 5V only, 1,8 A typ.
- **Temperature:** operation: 0° to 60°C  
storage: -10° to 85°C (non condensing)
- **Humidity:** operation: 10% to 90%  
storage: 5% to 95% (non condensing)

Article	Part.-No.	Description
MOPSlcd6	01023-0000-16-2	Intel® Pentium® 166MHz, CRT/LCD, Intel® 559ER Ethernet, fanless
MOPSlcd6	01023-0000-17-2	Intel® Pentium® 166MHz, CRT/LCD, Intel® 551ER Ethernet, fanless
MOPSlcd6	01023-0000-16-3	Intel® Pentium® 166MHz, CRT/LCD, Intel® 559ER Ethernet, PC/104+, fanless
MOPSlcd6	01023-0000-17-3	Intel® Pentium® 166MHz, CRT/LCD, Intel® 551ER Ethernet, PC/104+, fanless
MOPSlcd6	01023-0000-26-2	Intel® Pentium® 266MHz, CRT/LCD, Intel® 559ER Ethernet, fan
MOPSlcd6	01023-0000-27-2	Intel® Pentium® 266MHz, CRT/LCD, Intel® 551ER Ethernet, fan
MOPSlcd6	01023-0000-26-3	Intel® Pentium® 266MHz, CRT/LCD, Intel® 559ER Ethernet, PC/104+, fan
MOPSlcd6	01023-0000-27-3	Intel® Pentium® 266MHz, CRT/LCD, Intel® 551ER Ethernet, PC/104+, fan
MOPS/686+	01023-0000-16-4	Intel® Pentium® 166MHz, Intel® 559ER Ethernet, fanless
MOPS/686+	01023-0000-17-4	Intel® Pentium® 166MHz, Intel® 551ER Ethernet, fanless
MOPS/686+	01023-0000-26-4	Intel® Pentium® 266MHz, Intel® 559ER Ethernet, fan
MOPS/686+	01023-0000-27-4	Intel® Pentium® 266MHz, Intel® 551ER Ethernet, fan
	common features:	SODIMM-socket, 10/100 MBit-Ethernet, 2x RS232C, USB, LPT, FDC, IDE, Keyboard

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