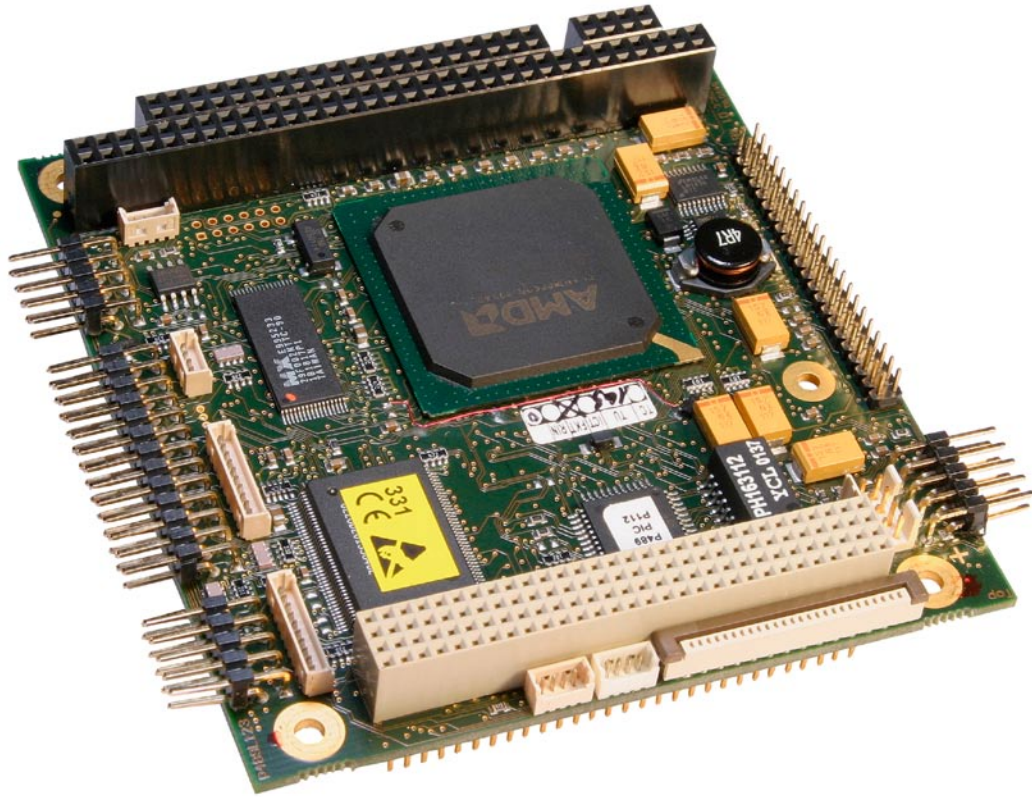


➤ MOPS/520



- Real low power fanless 133 MHz embedded CPU
- No moving parts, soldered SDRAMs
- Multi-connectivity-board with 4x COM, 2x USB, LAN, PC/104plus

Product Overview

MOPS/520 is a new PC/104 CPU board which is perfectly integrated to the PC/104 product family. It's based on AMD™ SC520 at 133 MHz speed and offers a lot additional features!

This high integrated board offers 4xCOM, 2x USB, 1x10/100 MBit Ethernet and PC/104plus for expansion.

Due to the very low power consumption the MOPS/520 does not need active cooling.

All MOPS PC/104 boards have equal pinouts for keyboard, COM1&2, 44pin IDE and LPT. Easy upgrades with-in the Kontron PC/104 family are possible. The MOPS/520 is available with 32 and 64 MByte SDRAM on board.

In combination with our chipDISK (up to 1 GByte Flash) very rugged and reliable systems, even for rough applications, can be realized.

Technical Information

Bus	16-Bit-ISA referring to PC/104 Standard and 32-Bit-PCI-Bus for PC/104plus
Processor	AMD™ SC520-133 MHz, fanless
System memory	32 / 64 MB SDRAM onboard
chipDISK	Prepared to host IDE-compatible Flash chipDISK, with up to 1 GByte
Interfaces	<ul style="list-style-type: none"> 3 x RS232C with FIFO 1 x COM TTL 1 x ECP/EPP parallel 1 x FDD for one drive 3,5" 2 x USB 1 x PS/2-Mouse 1 x Local-Bus-HDD for max. two drives 1 x AT-compatible keyboard 1 x Ethernet 10/100Base-T

LAN Boot	yes: PXE
Setup and Serial No in EEPROM	yes: JIDA / JIDA32
Watchdog	yes: JIDA / JIDA32
Dimensions	96 x 90 mm (3.8 x 3.6")
Power Consumption	5 V, approx. 750 mA @ 100 MHz
Temperature (*)	<ul style="list-style-type: none"> operation: 0° to 60°C storage: -10° to 80°C (non condensing)
Humidity	<ul style="list-style-type: none"> operation: 10% to 90% storage: 5% to 95% (non condensing)

(*) Ask about wider temperature ranges

Ordering Information

Article	Part.-No.	Description
MOPS/520	01025-3200-13-1	Low Power AMD™ SC520 133MHz, onboard 32 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100)
MOPS/520	01025-6400-13-1	Low Power AMD™ SC520 133MHz, onboard 64 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100)
MOPS/520	01025-6400-13-4	PC/104plus, Low Power AMD™ SC520 133MHz, onboard 64 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100)

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