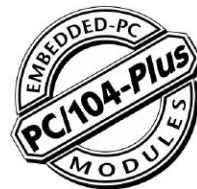
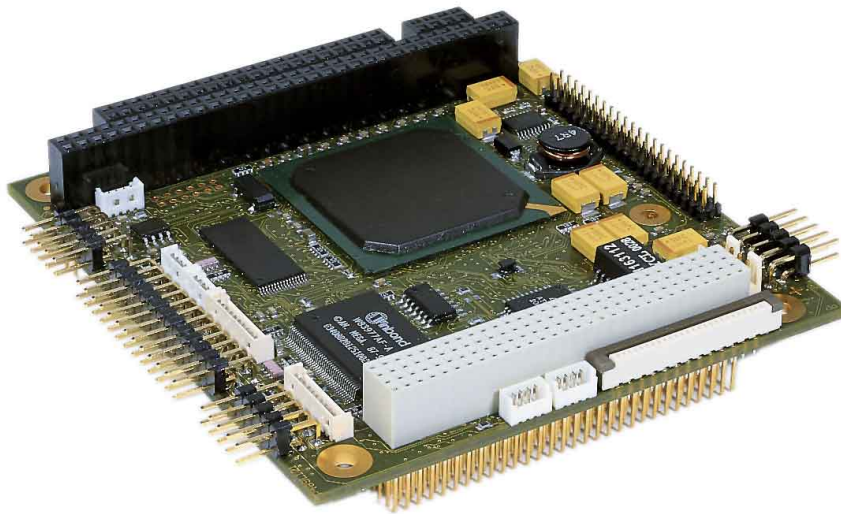


➤ MOPS/520



- multi-connectivity-board with 4x COM, 2x USB, LAN, PC/104+
- reduced time-to-market
- no moving parts, soldered SDRAMs
- fanless 133 MHz embedded CPU

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/104+ for expansion.

The very special feature is the already integrated 1 MBit CAN-Bus. No additional expensive extension card is needed.

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 within the Kontron PC/104 family are possible.

The **MOPS/520** is available in configurations with 16, 32 or 64 MByte SDRAM on board. In combination with our chipDISK (up to 256 MByte Flash) very rugged and reliable systems, even for rough applications, can be realized.

The on board CAN-Bus enables easy interfacing to automation and process control tasks.

...always a Jump ahead!

Technical Data

- **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:** 16, 32 or 64 MB SDRAM onboard
- **Features:** 1 x CAN-Bus (1 MBit) with Intel® 82527 CAN-controller incl. CAN transceiver (option)
- **chipDISK:** Prepared to host IDE-compatible Flash chipDISK, with up to 256 MByte
- **Interfaces:**
 - 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** ✓
- **Setup and Serial No in EEPROM** ✓
- **Watchdog** ✓
- **Dimensions:** 96 x 90 mm (3.8 x 3.6")
- **Power Consumption:** 5 V, approx. 750 mA @ 100 MHz
- **Temperature:**
 - operation: 0° to 60°C
 - storage: -10° to 80°C (non condensing)
- **Humidity:**
 - operation: 10% to 90%
 - storage: 5% to 95% (non condensing)

Article	Part.-No.	Description
MOPS/520	01025-1600-13-1	Low Power AMD™ SC520 133MHz, onboard 16 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100)
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	01025-6400-13-3	Low Power AMD™ SC520 133MHz, onboard 64 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100), CAN-Bus, PC/104+

Kontron Embedded Modules GmbH
Brunnweisenstr. 16
DE-94469 Deggendorf
0800-saleskontron
(0800-7253756)