



## Description

**MOPS/520** is a new PC/104 CPU board which is perfectly integrated to the PC/104 product family of **JUMPTec** AG. 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 JUMPTec 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.

## Order-Information

Article	Order-No.	Description
MOPS/520	01025-1600-13-1	Low Power AMD™ SC520 133MHz, onboard 16 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, with Ethernet (10/100 MBit)
MOPS/520	01025-3200-13-1	Low Power AMD™ SC520 133MHz, onboard 32 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, with Ethernet (10/100 MBit)
MOPS/520	01025-6400-13-3	Low Power AMD™ SC520 133MHz, onboard 64 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100 MBit), CAN-Bus, PC/104+

## Technical Data

- **Bus:**  
16-Bit-ISA referring to PC/104-Standard and PC/104 plus
- **Processor:**  
AMD™ SC520-133 MHz, fanless
- **Features:**  
32-Bit-PCI-Bus  
1 x CAN-Bus (1 MBit)  
Watchdog  
Setup and Serial-No. in EEPROM
- **CAN-connected (Option):**  
with Intel® 82527 CAN-controller incl. CAN-transceiver
- **System-memory:**  
16, 32 or 64 MB SDRAM onboard
- **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
- **Operating temperature:**  
+0°C to +60°C operating,  
-10°C to +85°C storage,  
extended ranges on request
- **Dimensions:**  
96 x 90 mm ( $3^{13}/_{16}$  x  $3^{10}/_{16}$ " )
- **Power consumption:**  
5 V, approx. 750 mA @ 100 MHz
- **Temperature:**  
0° to 60°C operation,  
-10° to 80°C storage  
(non condensing)
- **Humidity:**  
10% to 90% operating,  
5% to 95% storage  
(non condensing)

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