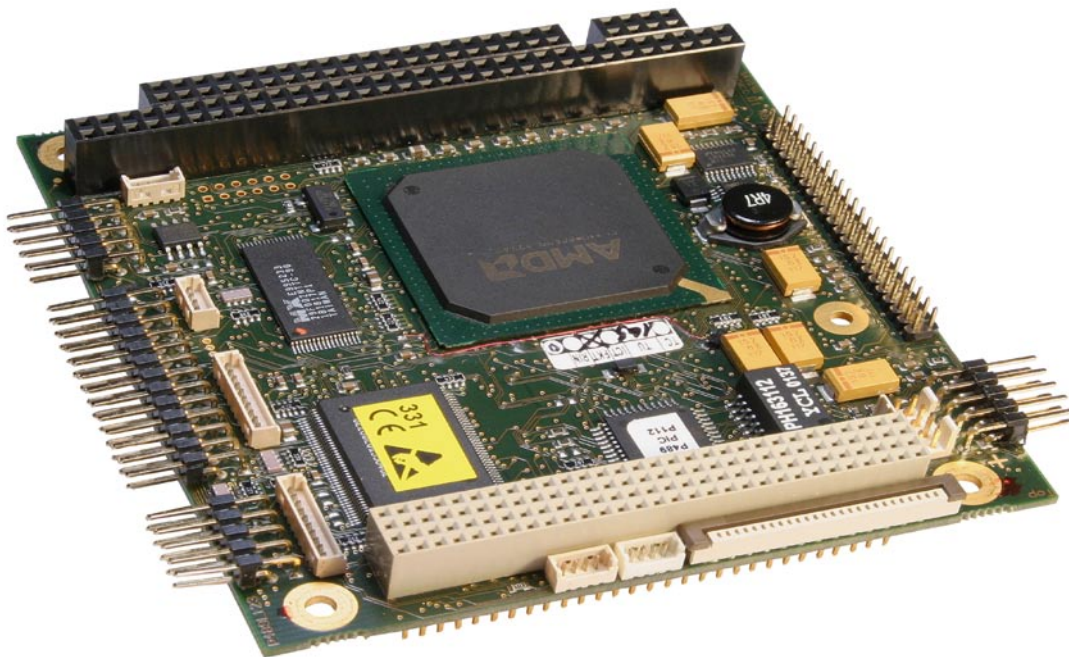


# » MOPS/520 «



## PC/104-Plus board with AMD™ SC520 133MHz CPU

- » Extreme low power, fanless design
- » PC/104-Plus for ISA and PCI IO cards
- » Full 16Bit I/O and memory support
- » Full featured (USB, COM, IDE, etc.)
- » Fast Ethernet 10/100 Mbit

# MOPS/520

## PC/104-Plus board with AMD™ SC520

MOPS/520 is a new PC/104 CPU board without graphics, 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-Plus 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 within the Kontron PC/104 family are possible. The MOPS/520 is available with 32 and 64 MByte SDRAM on board. In combination with Kontron's 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/104-Plus   |
| 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                    | 3 x RS232C with FIFO, 1 x COM TTL, 1 x ECP/EPP parallel<br>1 x FDD for one drive 3,5", 2 x USB, 1 x PS/2-Mouse<br>1 x AT-compatible keyboard |
| Hard Disk                     | 1 x Local-Bus-HDD for max. two drives  |
| Ethernet                      | 1 x Ethernet 10/100Base-T  |
| LAN Boot                      | PXE  |
| Setup and Serial No in EEPROM | JIDA / JIDA32  |
| Watchdog                      | JIDA / JIDA32  |
| Dimensions                    | 96 x 90 mm (3.8 x 3.6")  |
| Power Consumption             | 5 V, approx. 750 mA @ 100 MHz  |
| Temperature (*)               | Operating: 0° to 60°C<br>Storage: -10° to 80°C (non condensing)  |
| Humidity                      | Operating: 10% to 90%<br>Storage: 5% to 95% (non condensing)   |

(\*) Ask about extended temperature ranges

### Ordering Information

| Article  | Part.-No.       | Discription  |
|----------|-----------------|--|
| 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/104-Plus, Low Power AMD™ SC520 133MHz, onboard 64 MByte SDRAM, 3xRS232C, 1xTTL, 2xUSB, LPT, FDC, IDE, Ethernet (10/100) |

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