

Fanless Embedded PC System With up to three CAN/CANopen interfaces



Features

Processor

- AMD Élan SC520 with 133 MHz (with integrated peripherals)
- 66 MHz memory bus frequency, 33 MHz PCI bus frequency
- L1 cache 16 kB unified cache (write-through or write-back)
- Integrated FPU; IEEE 754 compliant

Memory

- System memory up to 128 MB SD-RAM
- Boot FLASH 2 MB, 3.3 V in-circuit programmable
- NVRAM 114 bytes (located in RTC) with battery backup; 4 kB (512 bytes) located in I2C EEPROM; 16 bytes reserved by the system
- Internal storage medium Compact Flash socket, Type I/II

Interfaces

- 10/100 Mbit/s Ethernet on front panel
AMD AM79C973 chipset, PCnet-PCI II Ethernet controller (Master Bus capable) with 12 kB SRAM FIFO 10/100 BaseT port at front panel
- 16550 compatible UART (COM1); on front panel; 15-pin D-SUB connectors; baud rate up to 115200 bit/s, RS232 level
- CAN ports on front panel, 9-pin D-SUB connector (according to CiA DS-102)
SJA1000 CAN controller
USB (V 1.1), at front panel, Type A;
USB PCI host controller, OPTi 82C861
- 4 x isolated inputs (max. 24 V DC);
4 x isolated outputs
(max. 50 mA switching capability per line)
- Expansion capabilities optionally possible

Power Supply

- Input 10..28 V DC
- Power consumption 6 W (.../1 version);
- Power consumption 8 W (.../2 and .../3 version)

Physical

- Ambient operating temperature range from 0 °C ... 50 °C
- Non-operating temperature range from -20 °C ... 75 °C
- Humidity 0 % ~ 80 %, non-condensing
- Dimensions (w x h x d): 76 x 51(65) x 120 mm
- Weight approx. 0.4 (0.5) kg

Supported Operating Systems

Linux, QNX, VxWorks

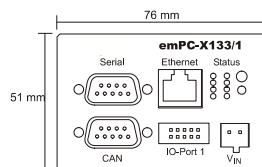
Other operating systems on request...

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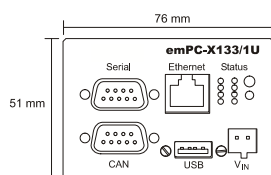
Version:
1 x CAN/CANopen, 1 x RS232 port;
8 digital I/O ports

Dimensions (w x h x d):
76 x 51 x 120 mm



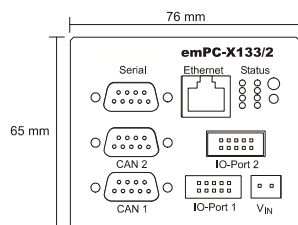
Version:
1 x CAN/CANopen, 1 x RS232 port;
USB ports

Dimensions (w x h x d):
76 x 51 x 120 mm



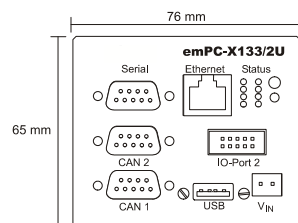
Version:
2 x CAN/CANopen, 1 x RS232 port;
16 digital I/O ports

Dimensions (w x h x d):
76 x 65 x 120 mm



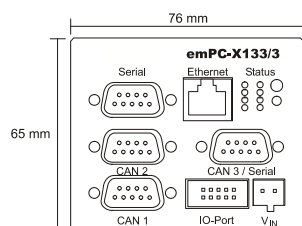
Version:
2 x CAN/CANopen, 2 x RS232 port;
16 digital I/O ports, USB port

Dimensions (w x h x d):
76 x 65 x 120 mm



Version:
3 x CAN/CANopen, 1 x RS232 port;
8 digital I/O ports

Dimensions (w x h x d):
76 x 65 x 120 mm



Ordering Information

emPC-X133/1 **CB-MBX-01001**

- AMD Élan SC520 with 133 MHz,
1 x CAN/CANopen port, 1 x RS232 port; 8 digital I/O ports

emPC-X133/1U **CB-MBX-01002**

- AMD Élan SC520 with 133 MHz,
1 x CAN/CANopen port, 1 x RS232 port; USB port

emPC-X133/2 **CB-MBX-02001**

- AMD Élan SC520 with 133 MHz,
2 x CAN/CANopen port, 1 x RS232 port; 16 digital I/O ports

emPC-X133/2U **CB-MBX-02002**

- AMD Élan SC520 with 133 MHz,
2 x CAN/CANopen port, 2x RS232 port;
16 digital I/O ports, USB port

emPC-X133/3 **CB-MBX-03001**

- AMD Élan SC520 with 133 MHz,
3 x CAN/CANopen port, 1 x RS232 port; 8 digital I/O ports

Memory, CompactFlashes and other options have to be ordered separately. Please contact the Janz Tec offices for detailed information!

Contact Information

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