

# Fanless Embedded PC System With Lowest Dimensions and Intel's ATOM Technology



## Features

### Processor

- Intel Atom Z510 with 1.1 GHz
- Intel SCH US15W
- 512 kB L2 cache

### Memory

- System memory 1 GB DDR2 SO-DIMM
- Internal 2 GB SSD medium
- Battery-free NVRAM 128 kB
- Internal CFast Socket for SATA SSD

### Video

- Intel Graphics Media Accelerator 500 (Intel GMA 500)
- Up to 256 MB frame buffer supporting Direct X 9.0E and Open GL 2.0
- DVI-D graphic interface on front panel (Single Link)
- Single channel LVDS on internal connector

### Expansion

- iX-Bus 8/16 bit interface for I/O and low speed peripherals

### Front Panel Connectors

- 1 x 10/100/1000 Mbit/s Ethernet,
- 1 x 10/100 Mbit/s Ethernet
- 3 x USB (V 2.0), with 500 mA power supply capability
- 2 x 9-pin D-SUB connectors for CAN or serial ports  
version /0: 2 x RS232 serial interface or  
version /1: 1 x CAN and 1 x RS232 or  
version /2: 2 x CAN interface
- Serial port with RTS/CTS only
- Reset push button
- Status LED for power supply status

### CAN

- SJA 1000 CAN Controller
- Physical Layer ISO/DIS 11898-2, isolated from logic
- Bus termination is software switchable, 120  $\Omega$  resistor

### Power Supply

- 9...32 V DC
- Power consumption max. 11 W

### Physical

- Ambient operating temperature 0 °C ... 50 °C
- Non-operating temperature range from -20 °C ... 75 °C
- Humidity 0 % ~ 80 %, non-condensing
- Dimensions (w x h x d): 111 x 62 x 104 mm
- Weight approx. 0.8 kg

### Options

- CoDeSys IEC61131-3 runtime environment

### Supported Operating Systems

WES 7, Windows XP / XPe, Windows CE 6.0, Linux, QNX, other operating systems on request...

For special Windows CE images contact your regional sales office.

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## Ordering Information

### emPC-X1100/0 SY-EPC-71001

- Intel ATOM with 1.1 GHz and 1 GB DDR2, 2 GB SSD, 2 x RS232 ports

### emPC-X1100/1 SY-EPC-71000

- Intel ATOM with 1.1 GHz and 1 GB DDR2, 2 GB SSD, 1 x CAN/CANopen port, 1 x RS232 port

### emPC-X1100/2 SY-EPC-71002

- Intel ATOM with 1.1 GHz and 1 GB DDR2, 2 GB SSD, 2 x CAN/CANopen ports

CFAST cards, operating system images and other options have to be ordered separately. Please contact the Janz Tec offices!



The emPC-X1100 systems are also available as embedded Panel PC with display size from 6.5" up to 15.0".

## Contact Information

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