

# ATOM Based Embedded Panel PC System With 12.1 inch Display Size



## Features

### Housing

- Aluminum front panel with front foil for corporate design (standard is Janz Tec' design)
- Dimensions of complete emVIEW-12T (w x h x d): 320,0 x 260,0 x 93,0 mm (Version /1, /2) (w x h x d): 320,0 x 260,0 x 118,0 mm (Version /4)
- Weight approx. 3.6 kg

### Display

- 12.1" (30.7 cm) SVGA TFT LCD display
- Resolution 800 x 600
- Contrast ratio 700:1 (typ.)
- Luminance 450 cd/m<sup>2</sup> (typ.)
- LED backlight for high reliability

### Touchscreen

- Resistive 4-wire Touchscreen

### Computing System

#### Processor

- Intel Atom Z530 with 1.6 GHz (Hyper Threading);
- 533 MHz FSB
- 512 kB L2 cache

#### Memory

- System memory 1 GB DDR2
- Internal ATA SSD 4 GB
- Battery-free nvSRAM 128 kB

#### 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

### Interfaces

- 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 /1: 1 x CAN/CANopen and 1 x RS232 or  
version /2: 2 x CAN/CANopen interfaces, w/o RS232
- Reset push button
- Status LEDs

### CAN/CANopen

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

### Internal Expansion

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

### Power Supply

- Input 14..32 V DC
- Power consumption TBD

### Physical

- Ambient operating temperature 0 °C...45 °C
- Non-operating temperature range from -20 °C...75 °C
- Humidity 0 % ~ 80 %, non-condensing

### Options

- CODESYS IEC61131-3 runtime environment

### Supported Operating Systems

Windows XPembedded, Windows CE 6.0, WES 7, Linux, QNX, other operating systems on request...

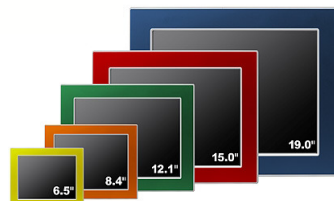
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## Ordering Information

- |  |                     |
|--|---------------------|
| <b>emVIEW-12T/X1600/1</b>  | <b>SY-EMV-71120</b> |
| <ul style="list-style-type: none"> <li>emVIEW-12T/X1600, based on standard emPC-X1600/1<br/>1 CAN port; 1 x RS232 port</li> </ul>  |                     |
| <b>emVIEW-12T/X1600/2</b>  | <b>SY-EMV-71121</b> |
| <ul style="list-style-type: none"> <li>emVIEW-12T/X1600, based on standard emPC-X1600/2<br/>2 CAN ports</li> </ul>   |                     |
| <b>emVIEW-12T/X1600/R3</b>   | <b>SY-EMV-71125</b> |
| <ul style="list-style-type: none"> <li>emVIEW-12T/X1600, based on standard emPC-X1600/R3<br/>1 CAN port; 3 x RS232 ports</li> </ul>  |                     |
| <b>emVIEW-12T/X1600/1-IO</b>   | <b>SY-EMV-71126</b> |
| <ul style="list-style-type: none"> <li>emVIEW-12T/X1600, based on standard emPC-X1600/1-IO<br/>1 CAN port; 1 x RS232, 8 x digital IO; 4 x analog Inputs;<br/>4 x analog Outputs</li> </ul> |                     |

Windows images and other options have to be ordered separately. Please contact the Janz Tec offices!



## Contact Information

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