

# ATOM Based Embedded Panel PC System With 6.5 inch Display Size



## Features

### Housing

- Aluminum front panel with front foil for corporate design (standard is Janz Tec' design)
- Dimensions of complete emVIEW-6T (w x h x d): 194 x 159 x 68 mm ( Version /1, /2) (w x h x d): 194 x 159 x 85 mm ( Version /4)
- Display cut-out dimensions (w x h): 172 x 142 mm
- Weight approx. 1.2 kg

### Display

- 6.5" (16.5 cm) VGA TFT LCD display
- Resolution 640 x 480
- Contrast ratio 600:1 (typ.)
- Luminance 700 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 9...32 V DC
- Power consumption max. 18 W

### 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...

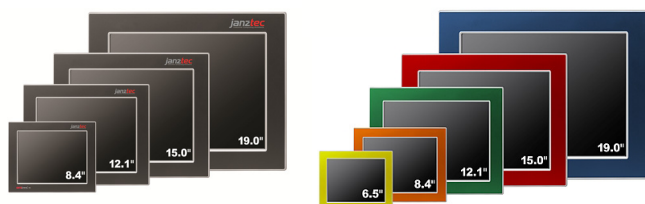
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## Ordering Information

- |                                                                                                                                                                                           |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>emVIEW-6T/X1600/1</b>                                                                                                                                                                  | <b>SY-EMV-71060</b> |
| <ul style="list-style-type: none"> <li>emVIEW-6T/X1600, based on standard emPC-X1600/1<br/>1 CAN port; 1 x RS232 port</li> </ul>                                                          |                     |
| <b>emVIEW-6T/X1600/2</b>                                                                                                                                                                  | <b>SY-EMV-71061</b> |
| <ul style="list-style-type: none"> <li>emVIEW-6T/X1600, based on standard emPC-X1600/2<br/>2 CAN ports</li> </ul>                                                                         |                     |
| <b>emVIEW-6T/X1600/R3</b>                                                                                                                                                                 | <b>SY-EMV-71065</b> |
| <ul style="list-style-type: none"> <li>emVIEW-6T/X1600, based on standard emPC-X1600/R3<br/>1 CAN port; 3 x RS232 ports</li> </ul>                                                        |                     |
| <b>emVIEW-6T/X1600/1-IO</b>                                                                                                                                                               | <b>SY-EMV-71066</b> |
| <ul style="list-style-type: none"> <li>emVIEW-6T/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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