

ATOM Based Embedded Panel PC System With 8.4 inch Display Size



Features

Housing

- Aluminum front panel with front foil for corporate design (standard is Janz Tec' design)
- Dimensions of complete emVIEW-8T (w x h x d): 257 x 190 x 60 mm (Version /1, /2) (w x h x d): 257 x 190 x 76 mm (Version /4)
- Display cut-out dimensions (w x h): 233 x 165 mm
- Weight approx. 1.8 kg

Display

- 8.4" (21.3 cm) SVGA TFT LCD display
- Resolution 800 x 600
- Contrast ratio 370:1 (typ.)
- Luminance 400 cd/m² (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
version /4: 4 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...

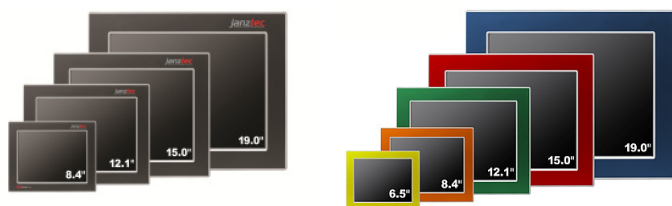
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Ordering Information

- | | |
|---|---------------------|
| emVIEW-8T/X1600/1 | SY-EMV-71080 |
| <ul style="list-style-type: none"> emVIEW-8T/X1600, based on standard emPC-X1600/1
1 CAN port; 1 x RS232 port | |
| emVIEW-8T/X1600/2 | SY-EMV-71081 |
| <ul style="list-style-type: none"> emVIEW-8T/X1600, based on standard emPC-X1600/2
2 CAN ports | |
| emVIEW-8T/X1600/R3 | SY-EMV-71085 |
| <ul style="list-style-type: none"> emVIEW-8T/X1600, based on standard emPC-X1600/R3
1 CAN port; 3 x RS232 ports | |
| emVIEW-8T/X1600/1-IO | SY-EMV-71086 |
| <ul style="list-style-type: none"> emVIEW-8T/X1600, based on standard emPC-X1600/1-IO
1 CAN port; 1 x RS232, 8 x digital IO; 4 x analog Inputs;
4 x analog Outputs | |

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



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