

# Fanless SlimLine 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): 256,4 x 189,4 x 55,0 mm (Version /0, /1, /2) (w x h x d): 256,4 x 189,4 x 64,3 mm (Version /R3)
- Weight approx. 1.6 kg

### Display

- 8.4" (21.3 cm) SVGA TFT LCD display
- Resolution 800 x 600
- Contrast ratio 370:1 (500 typ.)
- Luminance 400 cd/m<sup>2</sup> (typ.)
- LED backlight for high reliability

### Touchscreen

- Resistive 4-wire Touchscreen

### Computing System

#### Processor

- ARM Cortex A8: Freescale i.MX515 with 600 MHz
- 2 x 32 kB L1 cache, 256 kB L2 cache
- Vector floating point co-processor

#### Memory

- System memory 256 MB DDR2-RAM
- NVRAM 32 kB (battery free solution)
- Internal storage medium Compact Flash socket, Type I/II

#### Video

- OpenGL<sup>®</sup> ES2.0 and OpenVGTM 1.1 accelerator
- 24 bit display support up to WXGA resolution

#### Clocks and Timers

- Timekeeper (TOY); part of the NVRAM, requires battery
- Watchdog timer

### Interfaces

- 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/CANopen interface
- 2 x 10/100 Mbit/s Ethernet
- 2 x USB (V 2.0), with 500 mA power supply capability
- 15-pin D-SUB VGA port
- Receptacle for power supply
- Reset push button
- Status LED for power supply status

### 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 < 10 W

### Physical

- Ambient operating temperature 0 °C...60 °C
- Non-operating temperature range -20 °C...75 °C
- Humidity 0 % ~ 80 %, non-condensing

### Options

- CODESYS IEC61131-3 runtime environment
- Extended operating temperature range -20 °C...60 °C

### Supported Operating Systems

Windows CE 6.0, Linux; other operating systems on request...  
For special Windows CE images contact your regional  
Janz Tec sales office.

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## Ordering Information

**emVIEW-8T/A500/0** **SY-EMV-51082**  
 • emVIEW-8T/A500, based on standard emPC-A500/0  
 2 x RS232 ports

**emVIEW-8T/A500/1** **SY-EMV-51080**  
 • emVIEW-8T/A500, based on standard emPC-A500/1  
 1 x CAN port; 1 x RS232 port

**emVIEW-8T/A500/2** **SY-EMV-51081**  
 • emVIEW-8T/A500, based on standard emPC-A500/2  
 2 x CAN ports

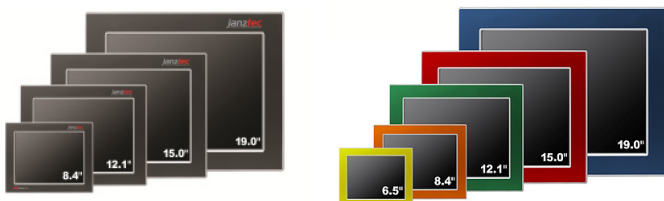
**emVIEW-8T/A500/R3** **SY-EMV-51085**  
 • emVIEW-8T/A500, based on standard emPC-A500/1  
 1 x CAN port; 3 x RS232 ports

**emVIEW-8T/A500/1-IO** **SY-EMV-51086**  
 • emVIEW-8T/A500, based on standard emPC-A500/1-IO  
 1 x CAN port; 1 x RS232 port, 8 x digital IO,  
 4 x analog Inputs, 4 x analog Outputs

**emVIEW-8/A500** **SY-EMV-50086**  
 • Same systems as above, but without resistive touchscreen

CompactFlashes, Windows CE images and other options  
 have to be ordered separately.

Please contact the Janz Tec offices!



## Contact Information

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