

Fanless SlimLine 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 x 260 x 86 mm (Version /0, /1, /2)
(w x h x d): 320 x 260 x 103 mm (Version /R3)
- Display cut-out dimensions (w x h): 323 x 240 mm
- Weight approx. 3.2 kg

Display

- 12.1" (30.7 cm) SVGA TFT LCD display
- Resolution 800 x 600
- Contrast ratio 700:1
- Luminance 450 cd/m²
- 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[®] 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 14..32 V DC
- Power consumption approx < 13 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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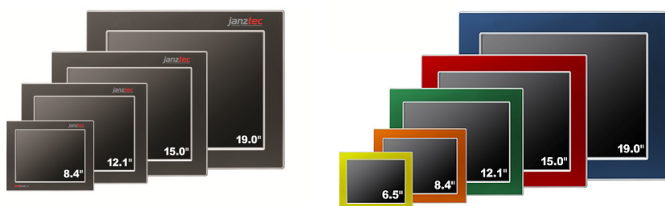


Ordering Information

- | | |
|---|---------------------|
| emVIEW-12T/A500/0 | SY-EMV-51122 |
| <ul style="list-style-type: none"> emVIEW-12T/A500, based on standard emPC-A500/0
2 x RS232 ports | |
| emVIEW-12T/A500/1 | SY-EMV-51120 |
| <ul style="list-style-type: none"> emVIEW-12T/A500, based on standard emPC-A500/1
1 x CAN port; 1 x RS232 port | |
| emVIEW-12T/A500/2 | SY-EMV-51121 |
| <ul style="list-style-type: none"> emVIEW-12T/A500, based on standard emPC-A500/2
2 x CAN ports | |
| emVIEW-12T/A500/R3 | SY-EMV-51125 |
| <ul style="list-style-type: none"> emVIEW-12T/A500, based on standard emPC-A500/1
1 x CAN port; 3 x RS232 ports | |
| emVIEW-12T/A500/1-IO | SY-EMV-51126 |
| <ul style="list-style-type: none"> emVIEW-12T/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-12/A500/x | SY-EMV-51126 |
| <ul style="list-style-type: none"> 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!



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