System Solution



APPLICATIONS

The new EM Vision Panel PC is the perfect Plug&Play system solution, especially designed for FANLESS applications. The complete EMI-shielding is already implemented.

- ► Industrial Control and Automation
- ► Measurment & Control
- ► Medical
- ► Infotainment
- ▶ Point of Sale
- ► Human-Machine-Interface

PPC-7-12



PPC-7-12

FEATURES

- ► 7" TFT-Display (800 × 480 px)
- ► Front IP65 protection
- ► Powered by the newest technology with support for Single and Dual Core Intel® Atom™ Processors up to 1,8 GHz
- ► Intel® 82801HM I/O Controller
- ► Allows simultaneous use of UMTS and WLAN for extended router applications
- ► On Board High Definition Audio Interface
- ► Supports up to 4GB DDR2 Memory
- ▶ Design, Production and Support "Made in Germany"

BENEFITS

- ► Long term availability
- ► Free of rotating parts
- ► Integrated Touch-Controller
- ► Full software compatibility
- ► Rugged & reliable choice for demanding embedded applications
- ► Small installation depth
- ► High brightness
- ► Integration- and application-services, trainings
- ► Low emission, high immunity
- ► CE







PPC-7-12

OVERVIEW

The EM Vision Panel PC is powered by latest technology, including Intel® Atom™ Processors up to 1,8 GHz and the Intel® 82801 HM I/O Controller. The perfect Plug&Play system solution offers a wide range of TFT display sizes and optional a harddisk. An optional wireless module supporting GPRS, EDGE, UMTS and HDSPA is available and at the same time a optional Wireless LAN module can be used.

SPECIFICATION SUMMARY

- ► Fanless operation
- ► Gigabit Ethernet Port
- ► SATA Interfacing
- ► Integrated
 Touchcontroller
- ► UMTS modem solution with SIM card reader
- ► Dual Independent Display

SPECIFICATIONS

TFT-DISPLAY

7" TFT-Display (800 x 480 px)

CPU

Intel® Atom™ Dual Core Processors 1,8 GHz Single Core Prozessors (option)

CHIPSET

Intel® 82801HM I/O Controller

MAX. MEMORY

Up to 4GB DDR2 RAM with 667 Mhz support

BIOS

UEFI-BIOS

SERIAL ATA INTERFACE

2x Internal SATA Connector

1 GBIT ETHERNET

Intel® 82567V Gigabit Ethernet Controller 1x on front side, 2x on right side

WLAN

802.11 b/g (option)

WIRELESS

GPRS/EDGE/UMTS/HSDPA module (option)

USB HOST PORTS

4x USB 2.0 Host Ports Type A

SERIAL PORT

2x 9-pin male D-SUB Connector for RS232

ANALOG VGA PORT

VGA DSUB15 (Analog RGB) Resolution up to 1400x1050 (HD1050) @60Hz

HARDDISK

Automotive or standard grade harddisk (option) or industrial flash disks (option)

ADDITIONAL OPTIONS

High Definition Audio Headphone 2x RS-422 2x CAN bus

1x External SIM Card Reader

FANLESS

Designed for fanless operation

MANAGEMENT

Hardware Monitoring and Watchdog

POWER INPUT

DC: 8V (min) to 32V (max)

EMI SHIELDING

CE, other upon request EN55022:2006+A1204 / EN61000-6-2:2005 CLASS: A+B

SIZE

DC variant: Approximately (L \times W \times H) 228 mm \times 167 mm \times 62 mm

MASS

Approximately 1500 gram

PROTECTION

Front side IP65

TEMPERATURE RANGE

FANLESS Operation: 0°C to +50°C ambient Other temperature ranges upon request Storage:

-40°C to +85°C ambient

HUMIDITY

Maximal relative humidity of atmosphere non condensing Working up to 75% Storage up to 95%



Gewerbering 1 85258 Weichs - Germany Phone +49 8136 80 677-800 Fax +49 8136 80 677-809 sales@emtrust.de www.emtrust.de

Trucomp, Inc.

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LIE SUPPORT APPLICATIONS

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