System Solution

EM TRUST
computers you can trust

PPC·7·12

FRONT SIDE
IP65

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

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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

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OVERVIEW

The **EM Vision Panel PC** is powered by latest technology, including Intel® Atom™ Processors up to 1,8 GHz and the Intel® 82801HM 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 × W × H)
228 mm × 167 mm × 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%