



APPLICATIONS

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

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

ICP-PPC-12



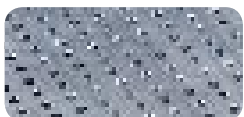
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FEATURES

- ▶ 7" - 18,5" TFT-Display (1366 × 768)
- ▶ Powered by the newest technology with support for Single and Dual Core Intel® Atom™ Processors up to 1,6 GHz
- ▶ Intel® 82801HM I/O Controller
- ▶ Allows simultaneous use of UMTS and WLAN for extended router applications
- ▶ Two PCI-Express Mini Card connectors; one prepared for modem solutions with SIM card reader
- ▶ On Board High Definition Audio Interface
- ▶ Supports up to 2GB DDR2 Memory
- ▶ Control function IEC61131-3 CoDeSys V3.xx
- ▶ Design, Production and Support "Made in Germany"

BENEFITS

- ▶ Low emission, high immunity
- ▶ 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





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EM Vision Control

OVERVIEW

The EM Vision Control Panel PC is powered by latest technology, including Intel® Atom™ Processors up to 1,6 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 HSDPA 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
- ▶ Two PCI-Express Mini-Card Connectors
- ▶ UMTS modem solution with SIM card reader
- ▶ Dual Independent Display

SPECIFICATIONS

CPU

Intel® Atom™ Single and Dual Core Processors up to 1,6 GHz

Single Core Intel® Atom™ processor D410 1.66 GHz - 512 KB cache

Dual Core Intel® Atom™ processor D510 1.66 GHz - 1 MB cache

CHIPSET

Intel® 82801HM I/O Controller

MAX. MEMORY

Up to 2GB DDR2 RAM with 667 Mhz support

BIOS

UEFI-BIOS

SERIAL ATA INTERFACE

2x Internal SATA Connector

1 GBIT ETHERNET

Yes

10/100 MBIT ETHERNET

Yes, 2x Ports

WLAN

Yes, 802.11 b/g (Option)

WIRELESS

Yes, GPRS/EDGE/UMTS/HSD-PA module (Option)

PCI EXPRESS® MINI CARD

Yes, 2x Mini Card sockets (one prepared for modem solution with internal SIM Card Reader)

USB CLIENT PORT

Yes, miniUSB Type B (4-pin) Connector

USB HOST PORTS

4x USB 2.0 Host Ports Type A

PROFIBUS

Yes, 9-pin female D-SUB Connector

CAN BUS

Yes, 9-pin male D-SUB Connector

SERIAL PORT

Yes, 2x 9-pin male D-SUB Connector

ANALOG VGA PORT

Yes

TOUCH CONTROLLER

Yes, resistive Touch 4-wire (8-wire optional)

HARDDISK

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

ADDITIONAL OPTIONS

High Definition Audio Interface with Headphone Connector
4x RS-422 Connectors
1x RS-232 Connectors
2x CAN Bus Connectors
1x External SIM Card Reader

FANLESS

Designed for fanless operation

CONTROL FUNCTION

IEC61131-3
CoDeSys V3.xx

MONITORING & MANAGEMENT

Hardware Monitoring and Watchdog

POWER SUPPLY

8-24V DC / 5A
(optional 8-32V DC)

EMI SHIELDING

Yes CE, other upon request

TEMPERATURE RANGE

FANLESS Operation:
0°C to 40°C ambient,
Other temperature ranges upon request

Storage:
-30°C to +70°C ambient

HUMIDITY

Max. rel. humidity of atmosphere non condensing
Working 75% / storage 95%.



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