



APPLICATIONS

The EM BoxPC Control is the perfect Plug&Play system solution, specially designed for FANLESS applications.

Typical application areas include:

- ▶ Industrial Control and Automation
- ▶ Measurement and Control
- ▶ Medical
- ▶ Infotainment

ICP-BoxPC-75



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FEATURES

- ▶ Powered by latest technology with support for Intel® Core™ 2 Duo Processor up to 1.86 GHz
- ▶ Mobile Intel® GS45 Express Chipset
- ▶ PCI Express® and PCI™ compatible
- ▶ On board 4-channel High Definition Audio Interface
- ▶ DVI-I and DisplayPort
- ▶ Supports up to 8GB DDR3 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
- ▶ Full software compatibility
- ▶ Rugged & reliable choice for demanding embedded applications
- ▶ Small installation depth
- ▶ Integration- and application-services, trainings





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EM BoxPC Control

OVERVIEW

The EM BoxPC Control is powered by latest technology, including Intel® Core™ 2 Duo Processor up to 1,86 GHz and the Mobile Intel® GS45 Express Chipset. The perfect Plug&Play system solution optional automotive or standard grade harddisks, wireless module supporting GPRS, EDGE, UMTS and HD-SPA is also available.

SPECIFICATION SUMMARY

- ▶ PC functionality
- ▶ Gigabit Ethernet Port
- ▶ SATA Interfacing
- ▶ Two PCI-Express Mini-Card Connectors
- ▶ Modem solution with SIM card socket

SPECIFICATIONS

CPU

Intel® Core™ 2 Duo - SL9400 - 1.86 GHz - FSB 1066 MHz - 6 MB L2 Cache
 Intel® Core™ 2 Duo - SU9300 - 1.2 GHz - FSB 800 MHz - 3 MB L2 Cache
 Intel® Celeron® M - C723 - 1.2 GHz - FSB 800 MHz - 1 MB L2 Cache

CHIPSET

Mobile Intel® GS45 Express Chipset with Intel® ICH9M

SYSTEM MEMORY

Up to 8 GB DDR3 memory

SERIAL ATA INTERFACE

3x internal

EXTERNAL SERIAL ATA

1x eSATA

GIGABIT ETHERNET

Yes

WLAN

Yes, IEEE 802.11b/g (Option)

WIRELESS

Yes, GPRS/EDGE/UMTS/HSDPA module (Option)

USB 2.0 PORTS

4x Type A

DVI-I

Yes (Analog VGA and Digital Video Interface)

DISPLAYPORT

1x DisplayPort

SOUND

On board 4-channel High Definition Audio Interface (Option)

HEALTH MONITORING AND MANAGEMENT

Hardware Monitoring and Watchdog

HARDDISK

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

CONTROL FUNCTION

IEC61131-3
CoDeSys V3.xx

POWER INPUT

8V-32V DC/5A
230V AC (Option)
Others on request

FANLESS

Designed for fanless operation

SIZE (PENDING ON VARIANT)

DC variant:
235 mm x 150 mm x 44 mm (L x W x H)
1U Rackmount Height
AC variant:
235 mm x 230 mm x 44 mm
1U Rackmount Height

MOUNTING

Stand alone, Top Hat Rail Mounting, 19" Rackmount Kit, others on request

TEMPERATURE RANGE

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

Storage:
-40°C to +85°C ambient

HUMIDITY

Max. rel. humidity of atmosphere non condensing
Working up to 75%
Storage up to 95%



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