



APPLICATIONS

The EM BoxPC 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-75DH



ICP-BOXPC-75DH

FEATURES

- ▶ Powered by latest technology with support for Intel® Core™ 2 Duo Processor up to 1.86 GHz
- ▶ Mobile Intel® GS45 Express Chipset
- ▶ Four Gigabit Ethernet Ports
- ▶ Eight USB Ports, 4 COM Ports and optional two CAN Bus Ports
- ▶ One DVI-I, two DisplayPort and one TV OUT
- ▶ Supports up to 8GB DDR3 memory
- ▶ 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





ICP-BoxPC-75DH

EM BoxPC

OVERVIEW

The EM BoxPC 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
- ▶ 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, 4 Gigabit Ethernet Ports

WLAN

Yes, IEEE 802.11b/g (Option)

WIRELESS

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

USB 2.0 PORTS

8x Type A

COM PORTS

4x RS-232 Ports
2x CAN Bus Ports (Option)

PARALLEL PORT

Yes (Option)

DVI-I

Yes (Analog VGA and Digital Video Interface)

DISPLAYPORTS

2x DisplayPorts

TV OUT

1x TV OUT

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)

POWER INPUT

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

EMI SHIELDING

Yes CE, other upon request

FANLESS

Designed for fanless operation

SIZE

DC variant:
235 mm x 150 mm x 71 mm (L x W x H)
2U Rackmount Height
AC variant:
235 mm x 230 mm x 71 mm
2U Rackmount Height

MOUNTING

Stand alone, Top Hat Rail Mounting, 19" 2U 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%



EMTrust GmbH
Headquarters
 Gewerbering 1
 85258 Weichs
 Germany

Tel.: +49 8136 80 677-800
 Fax: +49 8136 80 677-809
 sales@emtrust.de
 www.emtrust.de

EMTrust GmbH
Office Kempten
 Poststrasse 27
 87439 Kempten
 Germany

Tel.: +49 831 5753389-51
 Fax: +49 831 5753389-99
 sales@emtrust.de
 www.emtrust.de

Trucomp, Inc.

11555 Heron Bay Blvd
 Suite 200
 Coral Springs, FL 33076, USA

Phone +1 954 603-0582
 Fax +1 954 603-0581
 sales@trucompusa.com
 www.trucompusa.com

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