



## 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-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
- ▶ 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





# ICP-BoxPC-75DH

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
- ▶ 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)

### CONTROL FUNCTION

IEC61131-3  
CoDeSys V3.xx

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