



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-75



ICP-BOXPC-75

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
- ▶ 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-75

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

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)

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%



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

The information contained in this document has been carefully checked and is believed to be reliable. However, EMTrust GmbH makes no guarantee or warranty concerning the accuracy of said information and shall not be responsible for any loss or damage of what ever nature resulting from the use of, or reliance upon, it. EMTrust does not guarantee that the use of any information contained herein will not infringe upon the patent, trademark, copyright or other rights of third parties, and no patent or other license is implied hereby. Intel and Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

This document does not in any way extend EMTrust's warranty on any product beyond that set forth in its standard terms and conditions of sale. EMTrust reserves the right to make changes in the products or specifications, or both, presented in this publication at any time and without notice.

LIFE SUPPORT APPLICATIONS

EMTrust's products are not intended for use as critical components in life support appliances, devices or systems in which the failure of a EMTrust product to perform could be expected to result in personal injury. All mentioned trademarks are registered trademarks of their owner.