



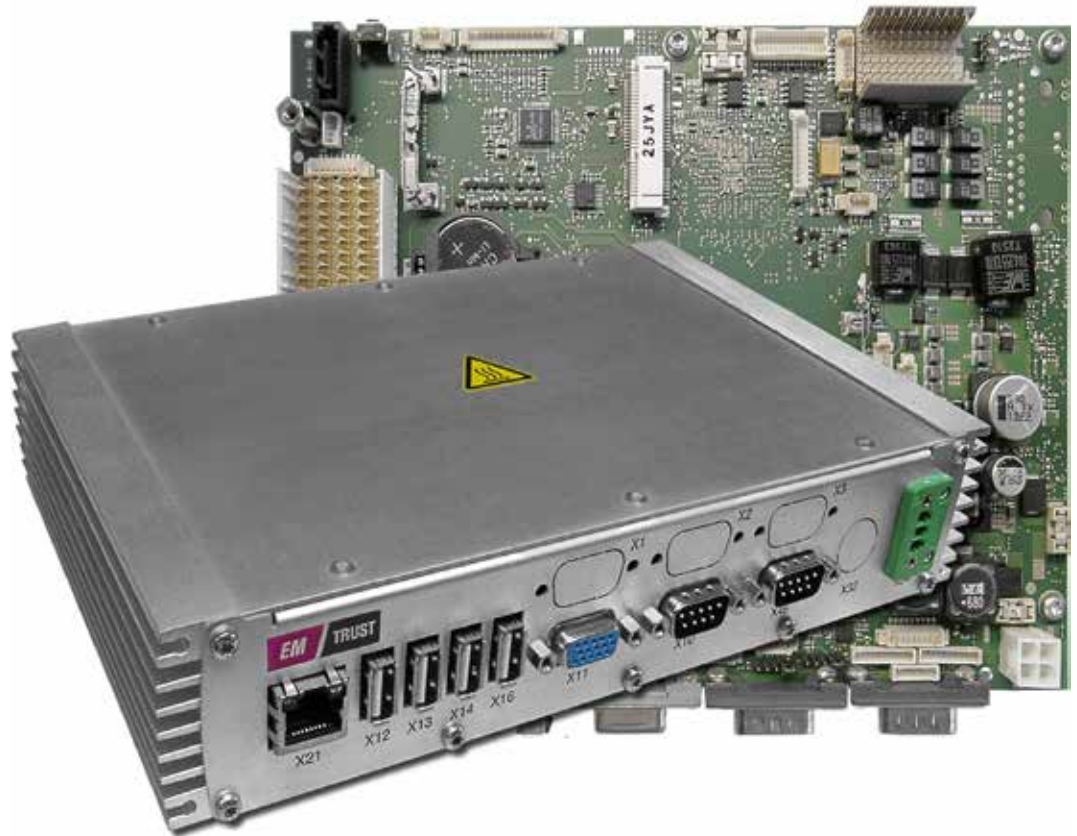
## APPLICATIONS

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

# BoxPC-12



## BOXPC-12

### FEATURES

- ▶ Powered by the newest technology with support for Dual Core Intel® Atom™ Processors 1,8 GHz
- ▶ Intel® 82801HM I/O Controller
- ▶ Allows simultaneous use of UMTS and WLAN for extended router applications
- ▶ Wide rang DC power input
- ▶ Supports up to 4GB DDR2 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





# BoxPC-12

EM BoxPC

## OVERVIEW

The EM BoxPC is powered by latest technology Dual Core, including Intel® Atom™ Processors up to 1,8 GHz and the Intel® 82801HM I/O Controller. 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
- ▶ Modem solution with SIM card reader

## SPECIFICATIONS

### CPU

Intel® Atom™ Dual Core Processors 1,8 GHz  
Single Core Prozessors (option)

### CHIPSET

Intel® 82801HM I/O Controller

### MAX. MEMORY

Up to 4GB DDR2 RAM with 667 Mhz support

### BIOS

UEFI-BIOS

### SERIAL ATA INTERFACE

2x Internal SATA Connector

### 1 GBIT ETHERNET

Intel® 82567V Gigabit Ethernet Controller  
1x on front side, 2x on right side

### WLAN

802.11 b/g (option)

### WIRELESS

GPRS/EDGE/UMTS/HSDPA module (option)

### USB HOST PORTS

4x USB 2.0 Host Ports Type A

### SERIAL PORT

2x 9-pin male D-SUB Connector for RS232

### ANALOG VGA PORT

VGA DSUB15 (Analog RGB)  
Resolution up to 1400x1050 (HD1050) @60Hz

### HARDDISK

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

### ADDITIONAL OPTIONS

High Definition Audio  
Headphone  
2x RS-422  
2x CAN bus  
1x External SIM Card Reader

### FANLESS

Designed for fanless operation

### MANAGEMENT

Hardware Monitoring and Watchdog

### POWER INPUT

DC: 8V (min) to 32V (max)  
AC: 230V (option) others on request

### EMI SHIELDING

CE, other upon request  
EN55022:2006+A1204 / EN61000-6-2:2005  
CLASS: A+B

### SIZE

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

### MOUNTING

Stand alone, Top Hat Rail Mounting, 19" 1U Rackmount kit, others on request

### TEMPERATURE RANGE

FANLESS Operation:  
0°C to +50°C ambient  
Other temperature ranges upon request  
Storage:  
-40°C to +85°C ambient

### HUMIDITY

Maximum relative humidity of atmosphere  
non-condensing  
Working up to 75%  
Storage up to 95%



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