

# BOXPC-38

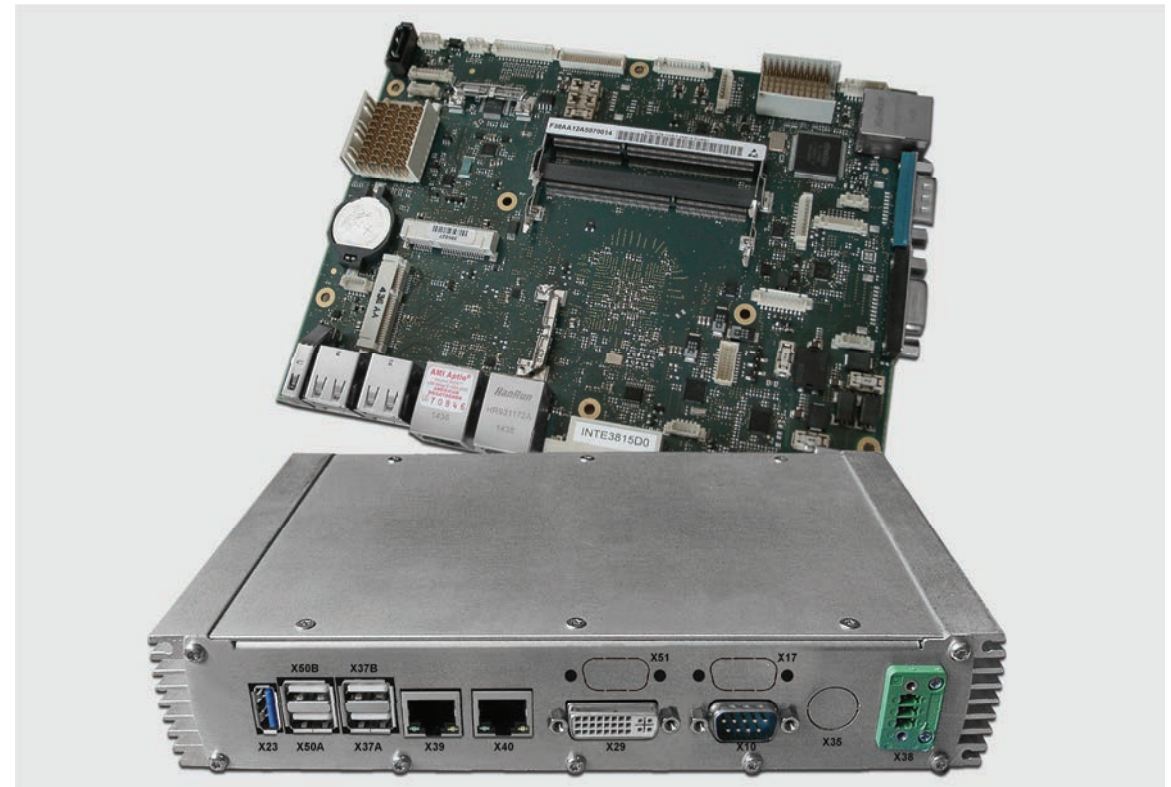
**EM TRUST**  
systems you can trust

## APPLICATIONS

The **EM BoxPC** is the perfect Plug&Play system solution, especially designed for fanless applications. It is optimal adapted for:

- \_ Industrial Control & Automation  
scalable, long term availability,  
flexible expansion
- \_ Measurement & Control  
multiple graphics
- \_ Medical Solutions  
Intel® Atom™ performance,  
high resolution graphics
- \_ Infotainment
- \_ Remote Management
- \_ Extended Industrial Router

**POWERED  
BY INTEL®  
ATOM™  
CPU**



Full software compatibility.



Integration-, application- and training-services available.



Simultaneous use of UMTS and WLAN for extended router applications.



Box PC system in a strong aluminum housing.



Rugged & reliable choice for demanding embedded applications.



Wide range DC power input.

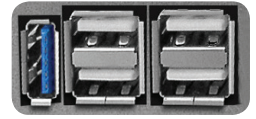


**E.E.P.D.**   
...just embedded!

## SPECIFICATIONS

CPU	Intel® Atom™ processors, single and quad core E3815 / 1.46 GHz / 512 KB cache E3845 / 1.91 GHz / 2 MB cache Dual cores version on request
Max. memory	Up to 8 GB DDR3L memory
Front interfaces	1 USB 3.0, 4 USB 2.0, 2 Gigabit Ethernet, 1 DVI-I conn., 1 RS232
Extension interfaces	1 PCIe with SIM card socket for wireless modem function, 1 Autodetect PCI or mSATA, 1 HDA, 1 HP conn., 1 RJ-45, 1 CAN, 1 RS485, 1 mSATA, 1 onboard SATA connector
OS support	Linux Ubuntu 16.04.1 LTS Microsoft® Windows® 7 Microsoft® Windows® 10 Microsoft® Windows® 10 IoT Core
Power supply	Min. 8 V / Max. 32 V AC: wide range option on request 100 V to 240 V   50 / 60 Hz
Housing	Aluminum case
Dimension	DC variant: 235 mm x 150 mm x 44 mm AC variant: 235 mm x 230 mm x 44 mm
Mounting	Stand alone Hat rail mounting optional Other on request
Conformity	CE
Max. operating temp.	0°C to +60°C ambient -40°C to +85°C ambient (optional)
Max. storage temp.	-20°C to +85°C ambient -40°C to +85°C ambient (optional)
Max. rel. humidity	95% @ 40°C, non-condensing

## DESIGNED FOR INDUSTRIAL APPLICATIONS



fanless rugged industrial design

## OVERVIEW

The EM BoxPC is powered by latest technology including Intel® Atom™ processors E38xx series.

An optional wireless module supporting GPRS, EDGE, UMTS and HSDPA is available.

At the same time an optional WiFi module can be used.

## SUMMARY

- ▶ Fanless operation
- ▶ Gigabit Ethernet port
- ▶ SATA interfacing
- ▶ Modem solution with SIM Card reader