

# BOX PC-97

**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:

- \_ Control & Automation  
scalable, long term availability,  
flexible expansion
- \_ Rugged Industrial Systems  
no rotating parts, low power
- \_ Medical Systems  
Intel® Core™ performance,  
high resolution graphics
- \_ Public Terminal  
Digital signage, multiple  
display support, WiFi hotspot,  
vending machines
- \_ Mobile Solutions  
Construction machines, forklifts, cranes,  
agriculture machines and equipment
- \_ Communication  
Mobile edge router, advanced  
firewall, VPN appliances

**HIGH  
PERFOR-  
MANCE  
INTEL®  
CORE™  
CPU**



Simultaneous use of UMTS and WLAN for extended router applications.



Frontpanel HDMI and Display Port interfaces.



Small installation depth.



Mobile 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® Core™ processors i7-5650U / 2.2 GHz / 4 MB cache i5-5350U / 1.8 GHz / 3 MB cache i3-5010U / 2.1 GHz / 3 MB cache Celeron® 3765U / 1.9 GHz / 2 MB cache
Max. memory	Up to 16 GB DDR3L SDRAM dual-channel / 1333 or 1600 MHz
Front interfaces	2 USB 2.0, 2 USB 3.0, 1 internal M.2 SSD-Drive support, 1 2,5" SSD-Drive with optional HDD carrier, 3 Gigabit Ethernet, 1 Display Port connector (3200 x 2000), 1 HDMI connector (4096 x 2304 @ 24 Hz)
Extension interfaces	1 Line In, 1 Line Out 2 RP-SMA-B connectors for WLAN 2 RP-SMA-B connectors for LTE/UMTS/GPS 2 serial ports (optional)
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 on request
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 or DIN rail mounting 19-inch 1U rackmount Other on request
Conformity	CE, ROHS, REACH, RED
Max. operating temp.	0°C to +60°C ambient
Max. storage temp.	-20°C to +85°C ambient
Max. rel. humidity	95% @ 40°C, non-condensing

## DESIGNED FOR FANLESS OPERATION



fanless rugged industrial design

## OVERVIEW

The EM BoxPC is powered by Intel® Core™ processor technology.

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

At the same time an optional Wireless LAN module can be used.

## SUMMARY

- ▶ Fanless operation
- ▶ 3 Gigabit Ethernet ports
- ▶ SATA interfacing
- ▶ M.2 SSD support
- ▶ Modem solution with SIM card reader