

## APPLICATIONS

The **EM BoxPC-NUCA** is the perfect communication gateway for industrial IoT applications. Especially designed for low-power, noiseless and extreme temperature environments. No fans or other rotating devices are used. It is a german engineered and produced high quality BoxPC system, offering high performance in tough environments.

- \_ Automotive Solutions
  - automotive grade power supply
- \_ Gateways
- \_ Medical Solutions
  - ARM® performance
- \_ Automation Control
  - scalable, long term availability, flexible expansion
- \_ Information Systems
- \_ Rugged Industrial Systems
  - no rotating parts, low-power
- \_ Measurement

## eNUC BOX PC



BoxPC system with high computer performance and small dimensions.



With a large number of interfaces in a small package, a whole lot of great applications are possible.



The BoxPC is designed for industrial-grade communication applications in extreme temperature environments.



A customized frontpanel design is optional available.



Expand your system with various options.



Optimized system for harsh and tough environments.

## SPECIFICATIONS

CPU	NXP i.MX6 processor, 800 MHz i.MX6 Solo / 256 MB memory down i.MX6 Quad / 2 GB memory down
Interfaces	2 USB 2.0, 2 USB 3.0 (optional) 1 Micro-USB Up to 2 Gigabit Ethernet 1 PCI Express® Mini Card with SIM Card support 1 M.2 socket (Key M, 22 mm x 42 mm) Up to 2 MicroSD Card sockets Up to 4 optional serial ports: 1 RS232, 1 RS485, 2 CAN 1 HDMI connector 1 I2S with MIC In / headphone Out 2 SMA (optional)
OS support	Linux (Yocto Project 2.0 w/ NXP BSP 4.1.15_1.0.0)
Power supply	Min. 8 V / Max. 32 V, automotive grade
Housing	Sturdy metal case
Dimension	116,4 mm x 46,5 mm x 119,2 mm
Weight	Approximately 260 grams + opt.
Mounting	Stand alone or hat rail
Conformity	CE, ROHS, REACH
Max. operating temp.	-40°C to +85°C ambient (ind. temp.)
Max. storage temp.	-40°C to +105°C ambient (ind. temp.)
Max. rel. humidity	95 % @ 40°C, non-condensing

## SELECT YOUR WIRELESS INTERFACE



VERSATILE COMMUNICATION BY A LARGE NUMBER OF INTERFACES



fanless rugged industrial design

## OVERVIEW

The BoxPC-NUCA is the perfect industrial grade communicator for secure and reliable IoT communication. It is designed as a flexible low-power system with an excellent performance-per-watt ratio.

## SUMMARY

- ▶ Extended temperature
- ▶ Flexible communication
- ▶ OEM/ODM with customer branding in small quantities available
- ▶ Easy mounting
- ▶ High performance
- ▶ Small dimensions