APPLICATIONS

The **EM BoxPC-NUCR** is the perfect intelligent IoT edge node. It is a german engineered and produced high quality BoxPC System. It is optimal adapted for:

_ AI Systems

edge / fog gateway

loT



BOXPC-NUCR

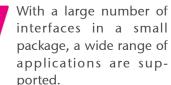
eNUC





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BoxPC system with high

computer performance

and small dimensions.

A customized frontpanel design is optional available.



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









Expand your system with various USB options.



Simultaneous use of UMTS and WLAN for extended router applications.



SPECIFICATIONS

PU	AMD R1000 series ¹ , up to 3.5 GHz
lax. memory	32 GB dual channel DDR4 memory
igabit Ethernet	2 Intel [®] I210 with IEEE1588
TE/4G (OPTIONAL)	300 Mbps max./EMEA, APAC/Diversity/ GNSS
ViFi/BT (OPTIONAL)	802.11 AC with diversity/ Bluetooth Version 5
SD (OPTIONAL)	M.2 SATA or NVMe / 64 - 512 GB
D-Card	1 MicroSD-Card socket
ISB ports	1 Dual USB 3.1 Gen2 (10Gb/s, limited b fuse to: 900mA each) 1 Rear USB 3.1 Gen2 (10Gb/s, limited b fuse protection to: 900mA each)
erial ports (OPTIONAL)	1 RS-232 1 RS-232/485 (FDX)
P connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
ound (OPTIONAL)	3.5 mm MIC In / headphone Out
lealth monitoring and nanagement	Controllable FAN (PWM + Tacho), hardware monitoring and Watchdog
Other	Power and status LEDs
ower supply	Min. 8 V / Max. 32 V (DC) automotive grade KL15
lax. operating temp.	0°C to +60°C ambient commercial grade; other on request
lax. storage temp.	-40°C to +85°C
lax. relative humidity	95% @ 40°C, non-condensing
lousing	Sturdy metal case
lounting	Stand alone or hat rail
Dimensions approx.	117 x 44 x 113 mm
Veight approx.	700 g + options
Conformity	CE, ROHS, REACH
OS support OS license is optional	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Linux Ubuntu 20.04 LTS

VERSATILE COMMUNICATION **BY A LARGE NUMBER OF INTERFACES**





Ordering Code System	Description	Туре	OPTION
BPCNRA	eNUC System	R1505G / 2C / 4T / 2.4 GHz - 3.3 GHz / 12 - 25 W	SSA
BPCNRB	eNUC System	R1606G / 2C / 4T / 2.6 GHz - 3.5 GHz / 12 - 25 W	SSN
4GB-NUCR	Main Memory	4 GB	LTE
8GB-NUCR	Main Memory	8 GB	CM1
16GB-NUCR	Main Memory	16 GB	CM2
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OVERVIEW

The BoxPC-NUCR 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

- ► Al performance level
- ► Flexible communication
- ► OEM/ODM with customer branding in small quantities available
- ► Easy mounting
- ► High performance
- Small dimensions

	OPTION	Description
	SSA	SATA SSD 64 - 512 GB
	SSN	NVMe SSD 64 - 512 GB
-	LTE	LTE/4G Modem
	WBT	WiFi/BT card
	CM1	COM 1 RS-232 Port
	CM2	COM 2 RS-232/485 Port
	SND	3.5 mm / MIC IN / Headphone OUT
	W10	Microsoft® Windows® 10
	WIE	Microsoft® Windows® 10 IoT Enterprise
	LNX	Linux Ubuntu 18.04 LTS

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