

APPLICATIONS

The **EM BSNP-NUCT** is a german engineered and produced high quality fanless BoxPC System. Designed as a flexible low power system with an excellent performance-per-watt ratio it is optimal adapted for:

- _ Rugged Industrial Systems
 - no rotating parts, low power,
 - extended temperature
- _ Medical Solutions
- _ CV Computer Vision
- _ Robotics
- _ Micro-Server
- _ High-Performance Workstations
- _ IoT
 - edge / fog gateway

¹15 years availability according to CPU manufacturers specification



HIGH QUALITY
MADE IN GERMANY

 15 years
long life
support¹

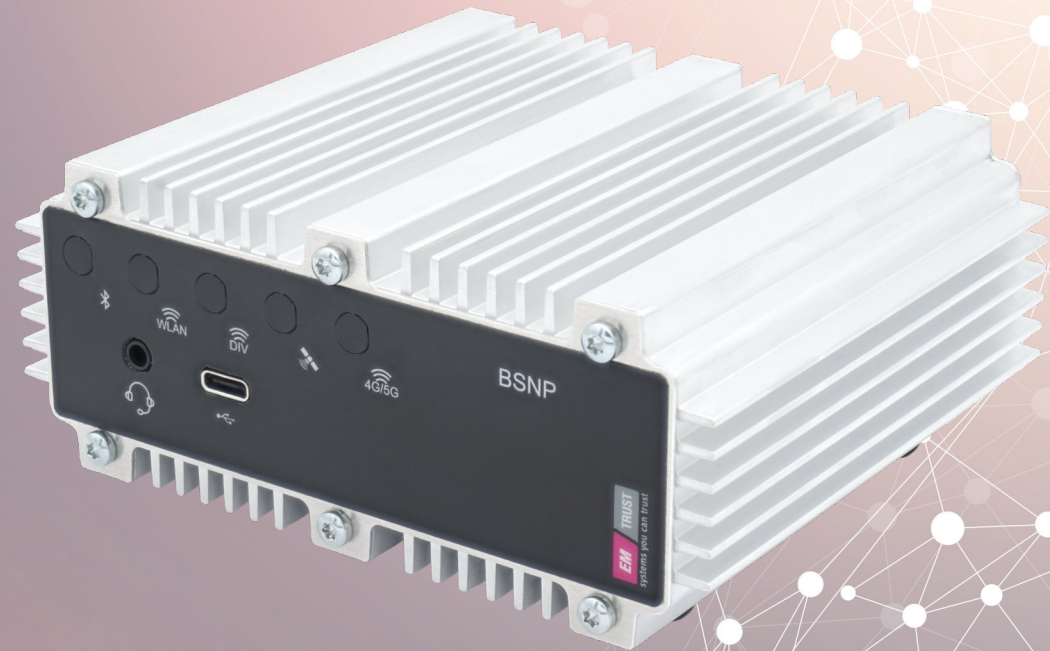


IoT Solutions
Alliance

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

SPECIFICATIONS

CPU	Intel® Celeron® Processor 6000 Series ¹ 11th Generation Intel® Core™ i3, i5 and i7 Processors ¹ up to 4 cores, 8 threads, max. 28W supported
Max. memory	32 GB dual channel DDR4-3200 SO-DIMM memory; industrial grade variants with In-Band ECC
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s with IEEE1588, TSN-support, Wake-On-Lan supported by one port
M.2 socket	1 Key B, 30 mm x 42 mm 1 Key E, 22 mm x 30 mm 1 Key M, 22 mm x 42 mm (NVMe with PCIe4)
USB ports	2 USB 3.1 Gen2 + 2 USB 2.0 (internal)
USB-C connector	1 USB-C 3.1 Gen2 or 1 DP++ output up to 4096 x 2160 @ 60 Hz
DP connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
Serial port	2 RS-232/485 (HDX/FDX)
Sound	HDA with MIC in / Headphone out at a 3,5 mm Audio Jack / Line in / Line out
TPM	TPM 2.0 support (Infineon SLB 9670)
Health monitoring and management	Hardware monitoring and watchdog
Other	Power and Status LEDs
Power supply	Min. 8 V / Max. 32 V (DC) automotive grade KL15
Max. operating temp.	0°C to +60°C ambient commercial grade; -40°C to +85°C ambient industrial grade Depending on variant
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	130 x 56 x 119 mm
Weight approx.	900g + options
OS support	Microsoft® Windows® 11 Microsoft® Windows® 10 Microsoft® Windows® 10 IoT Enterprise Linux Ubuntu 20.04 LTS



Ordering Code System	Description	Type	Max. Operating temp
BSNP_NUCTA	eNUC System	INTC6305E 2C 2T 1.8 GHz 15W	0°C to +60°C
BSNP_NUCTC	eNUC System	I5-1145G7E 4C 8T 1.5 GHz - 4.1 GHz 12 - 28W	0°C to +60°C
4GB-NUCT	Main Memory	4 GB	
8GB-NUCT	Main Memory	8 GB	
16GB-NUCT	Main Memory	16 GB	
32GB-NUCT	Main Memory	32 GB	

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