APPLICATIONS

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

_AI Systems
 _ Medical Solutions
     AMD Ryzen™ performance
 _ ML Machine Learning
 _ CV Computer Vision
 _ Robotics
 _ Micro-Server
 _ High-Performance
     Workstations
 _ Rugged Industrial Systems
     no rotating parts, low power
 _ IoT
     edge / fog gateway

[1] 10 years availability according to CPU manufacturers specification

HIGH QUALITY

MADE IN GERMANY

10 years
long life
support [1]

AMD
RYZEN
EMBEDDED

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

SPECIFICATIONS

CPU	AMD V2000 series[1], up to 3.95 GHz Up to 6 cores, 12 threads, max. 25 W supported
Max. memory	Up to 32 GB dual channel DDR4-3200 SO-DIMM memory
SSD (optional)	M.2 SATA or up to 2 NVME / 64-512 GB
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s and IEEE1588
USB port	1 Dual USB 3.1 Gen2 (10Gb/s, limited to: 900mA each)
USB-C connector	1 USB-C 3.1 Gen2 (10Gb/s, limited to: 1500mA)
Serial port	2 RS-232
DP connector	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
Sound	HDA with MIC in / Headphone out at a 3.5 mm Audio Jack / Line in / Line out
Health monitoring and management	Hardware monitoring and watchdog
fTPM	AMD firmware Trusted Platform Module TPM 2.0 support (Infinion SLB9670)
Other	Power and Status LEDs
WiFi	802.11 AC with diversity (OEM only)
Power supply	Min. 10.8 V / Max. 26.4 V (DC)
Max. operating temp.	0°C to +50°C ambient commercial grade; other on request
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	130 x 56 x 217 mm
Weight approx.	1.480g + options
OS support	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Microsoft® Windows® 11; Linux Ubuntu 20.04 LTS

Ordering Code System	Description	Type
BSNP_NUCEF	eNUC System	V2516 | 6C | 12T | 2.1 GHz - 3.95 GHz | 10 - 25W
4GB-NUCE	Main Memory	4 GB
8GB-NUCE	Main Memory	8 GB
16GB-NUCE	Main Memory	16 GB
32GB-NUCE	Main Memory	32 GB