

# PROFIVE® NUCE\_HS

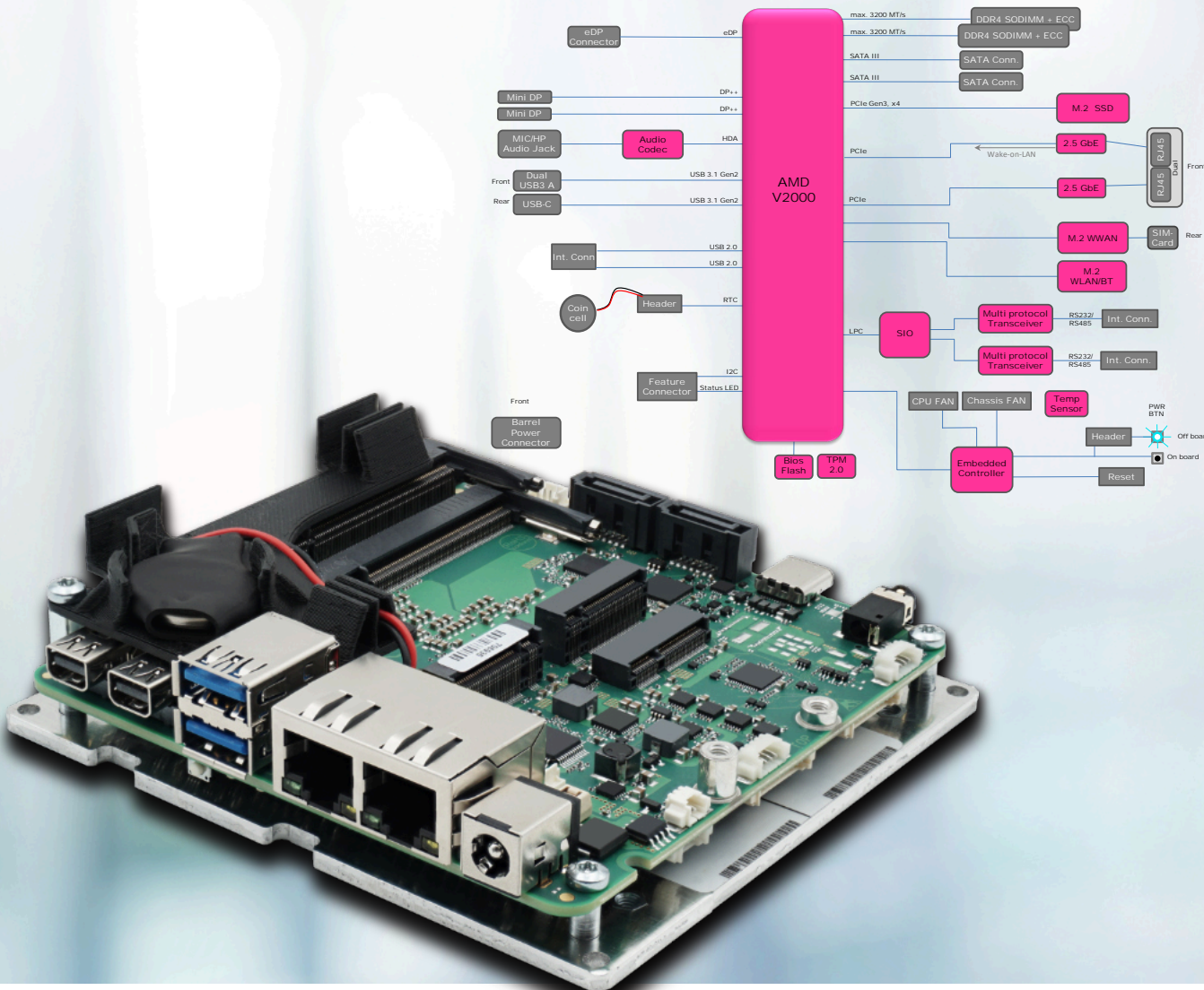


## APPLICATIONS

The **PROFIVE® NUCE** was designed as a low power eNUC board with an excellent performance-per-watt ratio and 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

<sup>1</sup>10 years availability according to CPU manufacturers specification



HIGH QUALITY  
MADE IN GERMANY

AMD  
RYZEN  
Embedded

10 years  
long life  
support<sup>1</sup>

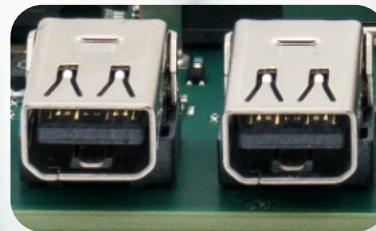
E.E.P.D.   
...just embedded!

# eNUC 101x101

## SPECIFICATIONS

CPU	AMD V2000 series <sup>1</sup> up to 4.25 Ghz, up to 8 cores, 16 threads, max. 54W supported
Max. memory	Up to 64 GB dual channel DDR4-3200 SO-DIMM memory with support for ECC-RAM modules
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s and 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 (SATA or NVMe with PCIe4)
USB ports	1 Dual USB 3.1 Gen2 (10Gb/s, limited to: 1.5A each) 2 internal USB 2.0 (limited to: 900mA each)
USB-C connector	1 USB-C 3.1 Gen2 or ALT-Mode support (10Gb/s, limited to: 3A)
DP connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
Serial port	2 RS-232/485 (HDX/FDX) provided through SUPER I/O
Sound	HDA with MIC in / Headphone out at a 3.5 mm Audio Jack / Line in / Line out
fTPM / TPM	AMD firmware Trusted Platform TPM 2.0 support (Infineon SLB 9670)
Health monitoring and management	Controllable FAN (PWM + Tacho) Hardware monitoring and watchdog
Other	Power and status LEDs, max. 4 GPIO (3.3V) and max. 3 GPO with PWM (3.3V/50kHz)
Power supply	Min. 10.8 V / Max. 26.4 V (DC)
Max. operating temp.	0°C to +60° ambient commercial grade; sufficient cooling provided; other on request
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	111 mm x 103 mm
Weight approx.	250g + options
OS support	Microsoft® Windows® 11 Microsoft® Windows® 10 Microsoft® Windows® 10 IoT Enterprise Linux Ubuntu 22.04 LTS

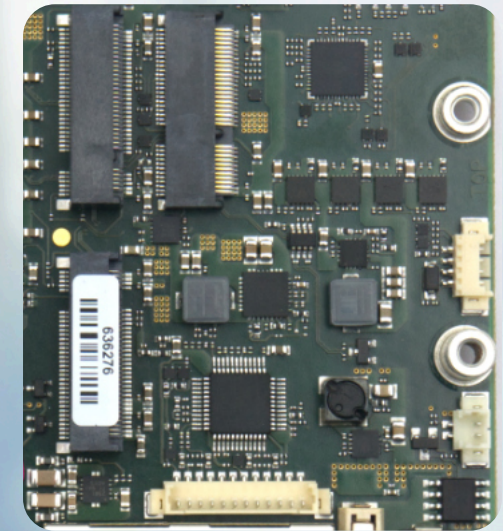
Ordering code	Description	Type / Size
NUCE_HS_2516	eNUC	V2516   6C   12T   2.1 GHz - 3.95 GHz   10 - 25W
NUCE_HS_2718	eNUC	V2718   8C   16T   1.7 GHz - 4.15 GHz   10 - 25W
NUCE_HS_2546	eNUC	V2546   6C   12T   3.0 GHz - 3.95 GHz   35 - 54W
NUCE_HS_2748	eNUC	V2748   8C   16T   2.9 GHz - 4.25 GHz   35 - 54W
4GB-NUCE_C	Main Memory	4GB
8GB-NUCE_C	Main Memory	8GB
16GB-NUCE_C	Main Memory	16GB
32GB-NUCE_C	Main Memory	32GB



Dual-Mini-DP-Support  
Single Display Max. 4096 x 2160 @ 60 Hz



Dual 2.5 Gigabit Ethernet



Triple M.2 Sockets / WLAN\_BT / 4G\_5G

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LIFE SUPPORT APPLICATIONS

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