

PROFIVE® NUCR_HS

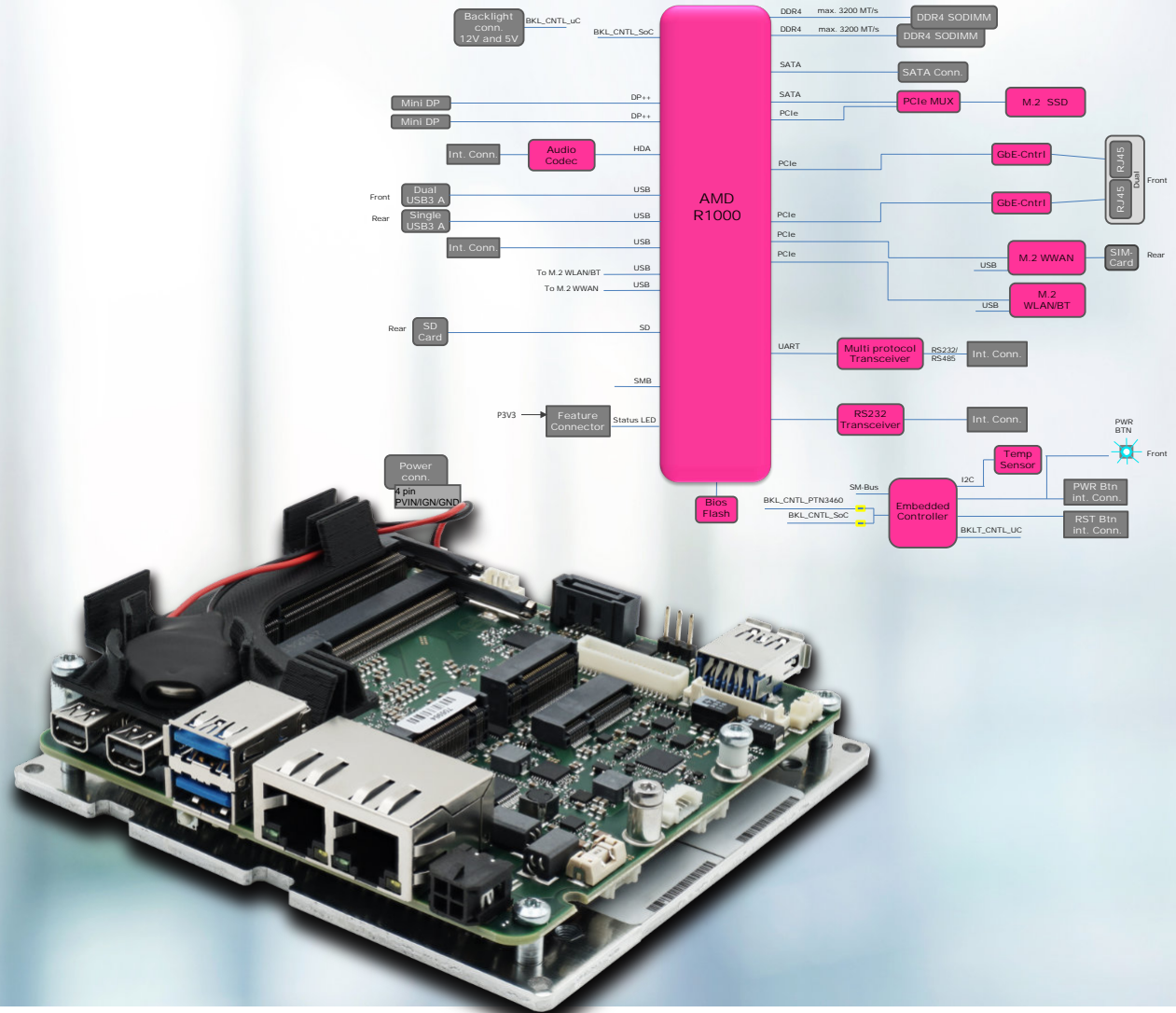


APPLICATIONS

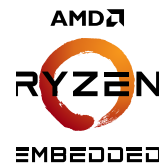
The **PROFIVE® NUCR** was designed as a low power eNUC board with an excellent performance-per-watt ratio and is optimal adapted for:

- _ AI Systems
- _ ML Machine Learning
- _ CV Computer Vision
- _ Robotics
- _ Mobile Systems
 - automotive power supply
- _ Rugged Industrial Systems
 - no rotating parts, low power
- _ Medical Solutions
 - AMD Ryzen™ performance
- _ IoT
 - edge / fog gateway

¹10 years availability according to CPU manufacturers specification



HIGH QUALITY
MADE IN GERMANY



10 years
long life
support¹



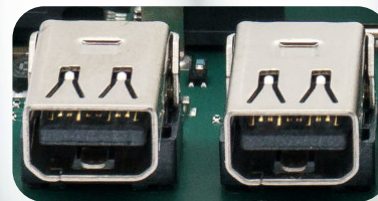
E.E.P.D. 
...just embedded!

eNUC 101x101

SPECIFICATIONS

CPU	AMD R1000 series ¹ , up to 3.5 GHz
Max. memory	UP to 32 GB dual channel DDR4 memory (R1102G only: max. 16GB single channel DDR4 memory)
Gigabit Ethernet	2 Intel® I210 with IEEE1588
SD-Card	1 MicroSD-Card socket
M.2 socket	1 Key B, 30 mm x 42 mm with onboard SIM Card socket 1 Key E, 22 mm x 30 mm 1 Key M, 22 mm x 42 mm (for NVMe and SATA only)
USB ports	1 Dual USB 3.1 Gen2 (10Gb/s, fused to: 900mA each) 1 Rear USB 3.1 Gen2 (10Gb/s, fused to: 900mA each)
Serial ports	1 RS-232 1 RS-232/485 (FDX)
DP connector	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
Sound	HDA with MIC In / headphone Out
Health monitoring and management	Controllable FAN (PWM + Tacho), hardware monitoring and watchdog
fTPM	AMD firmware Trusted Platform Module
Other	Power and status LEDs, 2 GPIO (3.3V)
Power supply	Min. 8 V / Max. 32 V (DC) automotive grade KL15
Max. operating temp.	0°C to +60°C 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 31 mm x 103 mm
Weight approx.	250g + options
OS support	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Linux Ubuntu 20.04 LTS

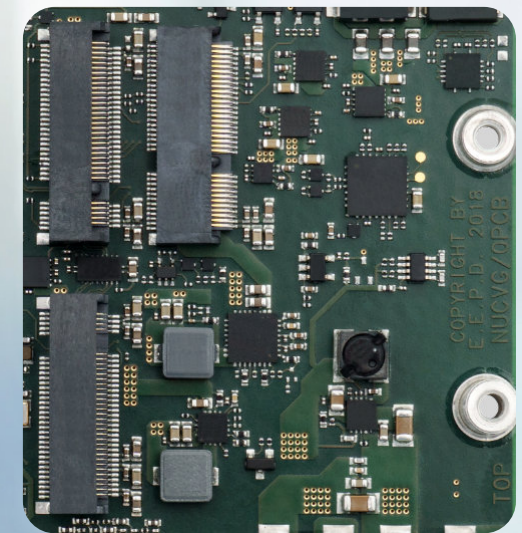
Ordering code	Description	Type / Size
NUCREHS	eNUC	R1102G 2C 2T 1.2 GHz - 2.6 GHz 6W
NUCRHHS	eNUC	R1305G 2C 4T 1.5 GHz - 2.8 GHz 8 - 10W
NUCRFHS	eNUC	R1505G 2C 4T 2.4 GHz - 3.3 GHz 12 - 25W
NUCRGHS	eNUC	R1606G 2C 4T 2.6 GHz - 3.5 GHz 12 - 25W (OEM only)
4GB-NUCR_HS	Main Memory	4GB
8GB-NUCR_HS	Main Memory	8GB
16GB-NUCR_HS	Main Memory	16GB
32GB-NUCR_HS	Main Memory	32GB



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



Dual Gigabit Ethernet



Triple M.2 Sockets / WLAN_BT / 4G_5G / NVME_SATA

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LIFE SUPPORT APPLICATIONS

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