

PROFIVE® NUCD_CS

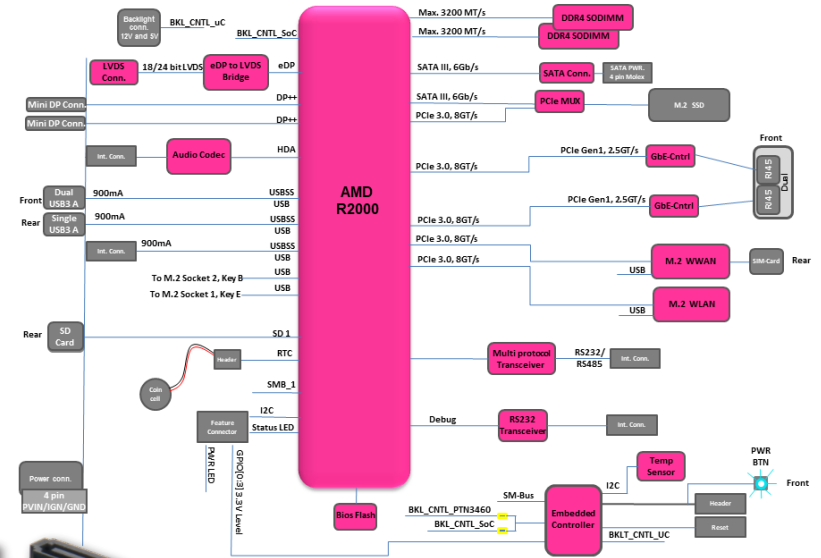
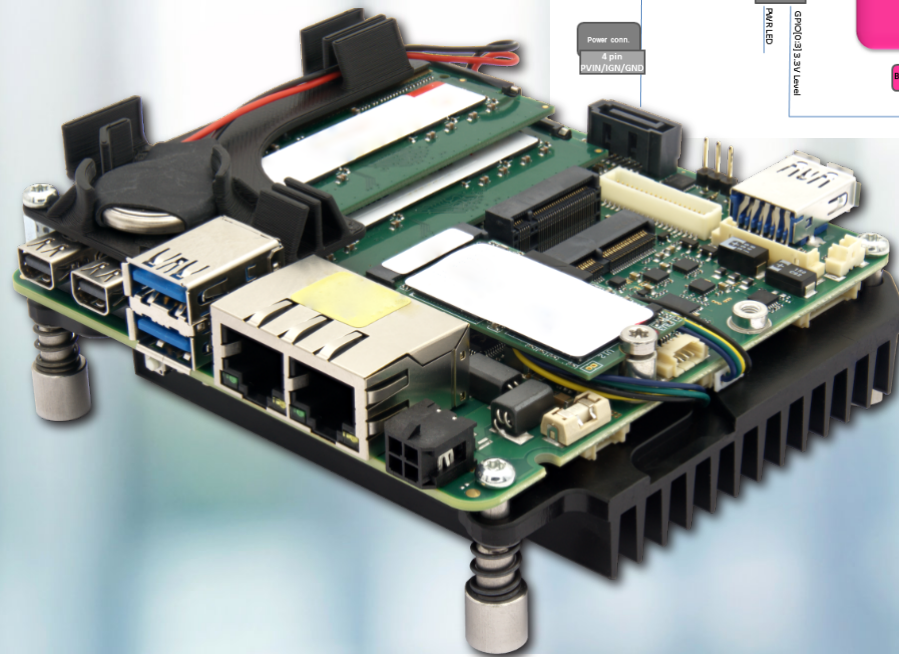


APPLICATIONS

The **PROFIVE® NUCD** single-board computer is an efficient embedded NUC board (eNUC) based on AMD Ryzen™ embedded R2000 CPUs. It is optimally suited for:

- _ Robust industrial systems (long-term available)
- _ Mobile systems (automotive grade power supply)
- _ IoT applications
- _ Measurement technology
- _ Robotics
- _ Edge/fog applications
- _ AI systems
- _ ML Machine Learning
- _ CV Computer Vision
- _ Medical Solutions

¹10 years availability according to CPU manufacturers specification
²The NUCD supports only up to 35W TDP settings



HIGH QUALITY

 MADE IN GERMANY

AMD
RYZEN
 Embedded

10 years
 long life
 support¹



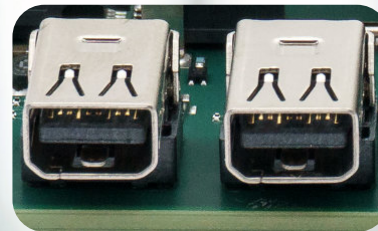
E.E.P.D. [®]
...just embedded!

eNUC 101x101

SPECIFICATIONS

CPU	AMD R2000 series ¹ , up to 3.7 GHz Up to 4 cores, 8 threads, max. 35 W supported
Max. memory	Up to 32 GB dual channel DDR4 memory
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s 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)
Serial ATA	1 SATA (6G) with separate power connector
USB port	1 Dual USB 3.1 Gen2 (10Gb/s, fused to: 1500mA each) 1 Rear USB 3.1 Gen2 (10Gb/s, fused to: 1500mA) 1 internal USB 3.1 Gen2* (10Gb/s, fused to: 1500mA) (*not available on NUCD-R2312)
Serial port	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 / Line In / Line Out
Health monitoring and management	Controllable FAN (PWM + Tacho), hardware monitoring and watchdog
fTPM	AMD firmware Trusted Platform Module TPM 2.0 support (Infineon SLB9670)
Other	Power and status LEDs, 4 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; other on request
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	113 mm x 109 mm x 46 mm
Weight approx.	330g + options
OS support	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Microsoft® Windows® 11; Linux Ubuntu 22.04 LTS

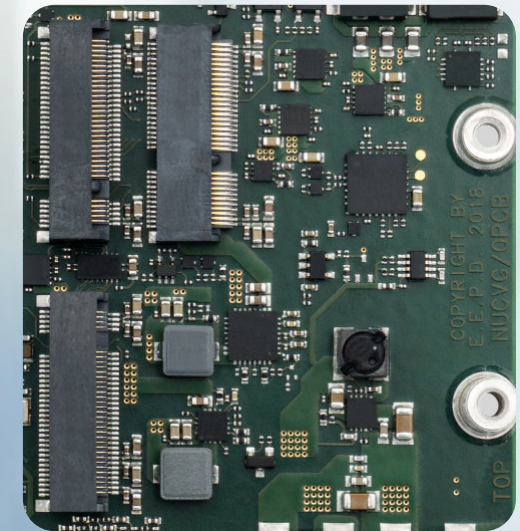
Ordering code	Description	Type / Size
NUCDECO	SBC	R2312 2C 4T 2.7 GHz - 3.5 GHz 12 - 25W
NUCDFCO	SBC	R2314 4C 4T 2.1 GHz - 3.5 GHz 12 - 35W
NUCDGCO	SBC	R2514 4C 8T 2.1 GHz - 3.7 GHz 12 - 35W



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 / NVME_SATA

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LIFE SUPPORT APPLICATIONS

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