

PROFIVE® NUCD_C

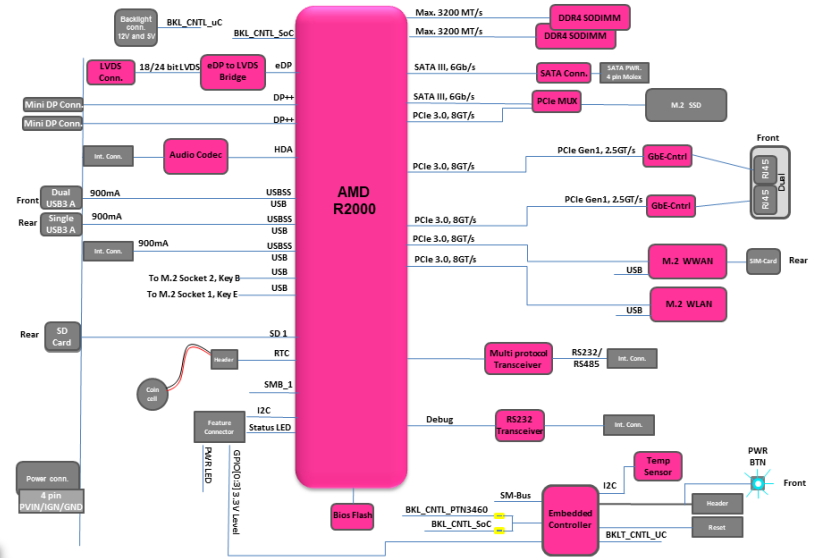
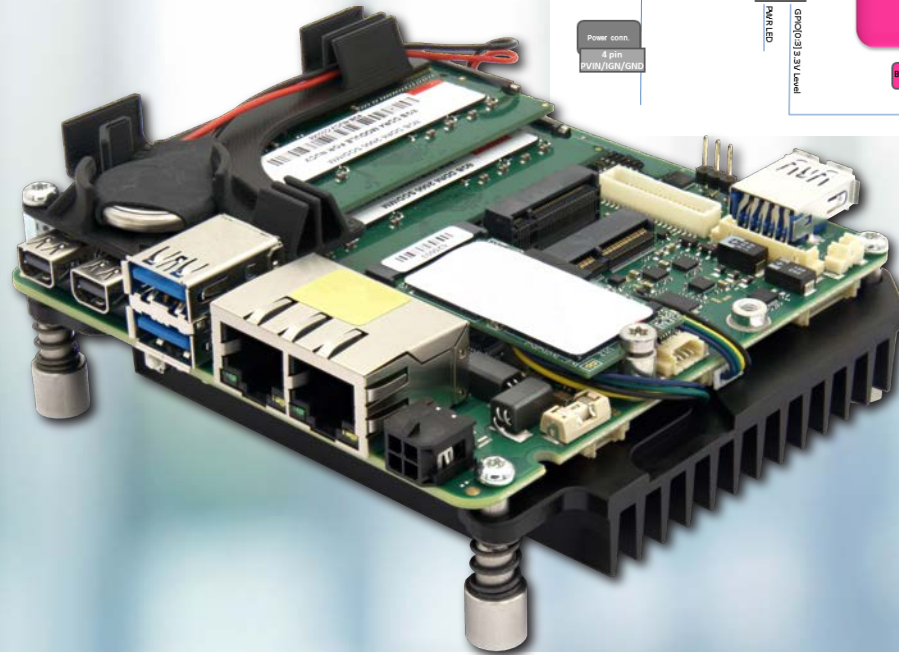


APPLICATIONS

The **PROFIVE® NUCD** 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
²The NUCD supports only 35W TDP settings



HIGH QUALITY
 MADE IN GERMANY

AMD
 RYZEN
 Embedded

10 years
 long life
 support¹



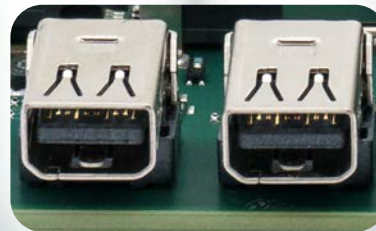
E.E.P.D. 
 ...just embedded!

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® I226 with 2,5 Gbit/s
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 port	1 Dual USB 3.1 Gen2 (10Gb/s, limited to: 900mA each) 1 Rear USB 3.1 Gen2 (10Gb/s, limited to: 900mA) 1 internal USB 3.1 Gen2 (10Gb/s, limited to: 900mA)
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 (Infinition 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 20.04 LTS

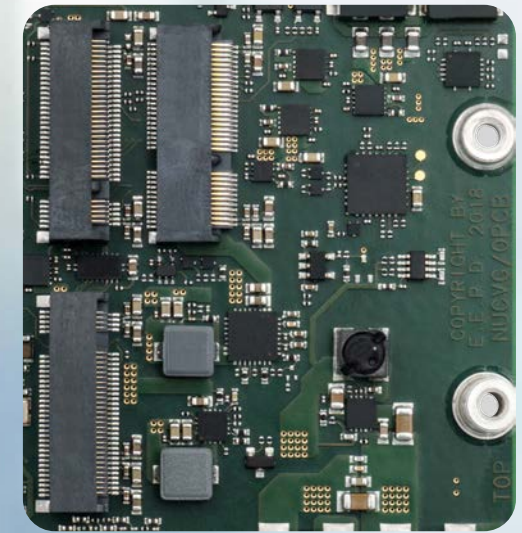
Ordering code	Description	Type / Size
NUCDACO	SBC	R2312 2C 4T 2.7 GHz - 3.5 GHz 12 - 25W
NUCDBCO	SBC	R2314 4C 4T 2.1 GHz - 3.5 GHz 12 - 25W
NUCDCCO	SBC	R2514 4C 8T 2.1 GHz - 3.7 GHz 12 - 35W
NUCDDCO	SBC	R2544 4C 8T 3.35 GHz - 3.7 GHz 35 - 54W
4GB-NUCD	Main Memory	4GB
8GB-NUCD	Main Memory	8GB
16GB-NUCD	Main Memory	16GB
32GB-NUCD	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

The information contained in this document has been carefully checked and is believed to be reliable. However, E.E.P.D. GmbH makes no guarantee or warranty concerning the accuracy of said information and shall not be responsible for any loss or damage of what ever nature resulting from the use of, or reliance upon, it.

E.E.P.D. does not guarantee that the use of any information contained herein will not infringe upon the patent, trademark, copyright or other rights of third parties, and no patent or other license is implied hereby. AMD and the AMD logo are trademarks of Advanced Micro Devices, Inc. Intel and the Intel logo are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

This document does not in any way extend E.E.P.D.'s warranty on any product beyond that set forth in its standard terms and conditions of sale. E.E.P.D. reserves the right to make changes in the products or specifications, or both, presented in this publication at any time and without notice.

LIFE SUPPORT APPLICATIONS

E.E.P.D.'s products are not intended for use as critical components in life support appliances, devices or systems in which the failure of a E.E.P.D. product to perform could be expected to result in personal injury. All mentioned trademarks are registered trademarks of their owner.

© 2023 by E.E.P.D. GmbH. All rights reserved. February 24 2023 - Version 1.1



**E.E.P.D. Electronic Equipment
Produktion & Distribution GmbH**
Gewerbering 3
85258 Weichs - Germany
Phone +49 8136 2282-0
Fax +49 8136 2282-109
Internet: www.eepd.de
E-Mail: sales@eepd.de