

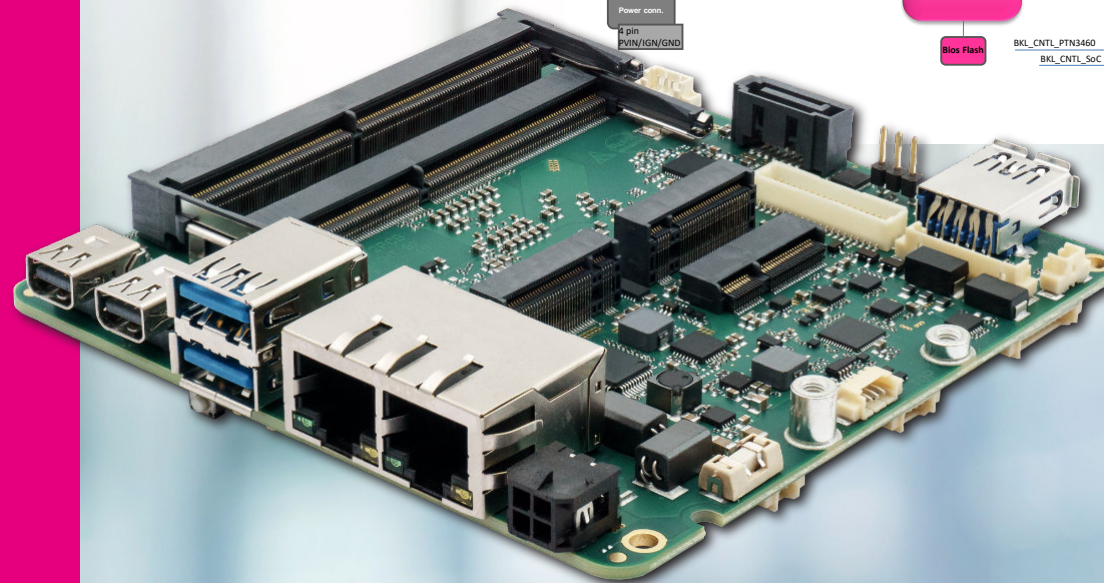
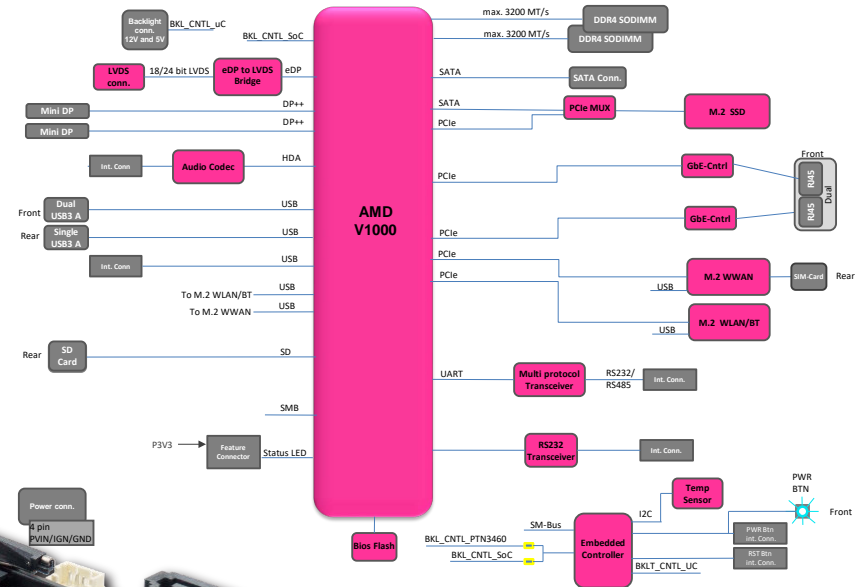
# PROFIVE® NUCV



## APPLICATIONS

The **PROFIVE® NUCV** 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



<sup>1</sup>10 years availability according to CPU manufacturers specification  
<sup>2</sup>The NUCV supports only 35W TDP settings

HIGH QUALITY  
 MADE IN GERMANY

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



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

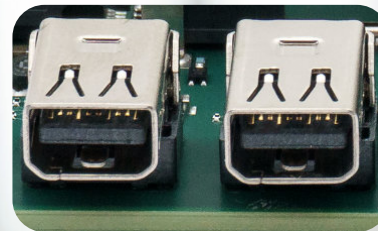
# eNUC 101x101

## SPECIFICATIONS

CPU	AMD V1000 series <sup>1</sup> , up to 3.8 GHz Up to 4 cores, 8 threads, max. 35 W supported
Max. memory	32 GB dual 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)
Serial ATA	1 (6G) with separate power connector
USB port	1 Dual USB 3.1 Gen2 (10Gb/s, fused to: 900mA each) 1 Rear USB 3.1 Gen2 (10Gb/s, fused to: 900mA) 1 internal USB 3.1 Gen2 (10Gb/s, fused to: 900mA)
Serial port	1 RS-232 and 1 RS-232/485 (FDX)
LVDS connector	1 dual channel 24-bit (OEM/ODM option)
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
Other	Power and status LEDs, 4 GPIO (3.3V)
Power supply	Min. 8 V / Max. 32 V (DC) automotive grade   KL15/terminal15
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.	102 mm x 102 mm
OS support	Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Linux Ubuntu 20.04 LTS

Ordering Code CPU	Description	Type
NUCVA	eNUC	V1202B / 2C / 4T / 2.3 GHz - 3.2 GHz / 12 - 25 W (OEM only)
NUCVB	eNUC	V1605B / 4C / 8T / 2.0 GHz - 3.6 GHz / 12 - 25 W
NUCVC	eNUC	V1756B / 4C / 8T / 3.25 GHz - 3.6 GHz / 35 - 54 W <sup>2</sup> (OEM only)
NUCVD	eNUC	V1807B / 4C / 8T / 3.35 GHz - 3.8 GHz / 35 - 54 W <sup>2</sup>

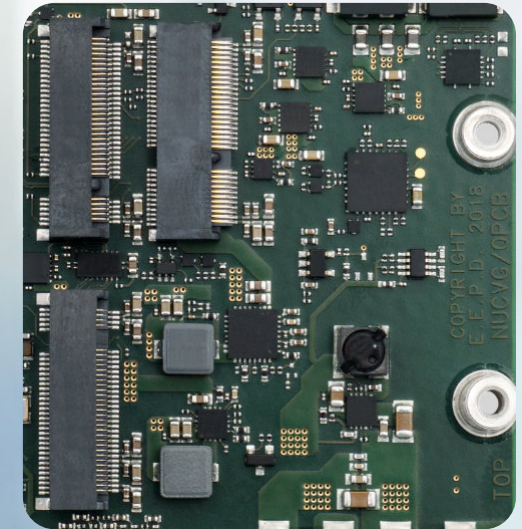
Ordering Code Memory	Description	Size
4GB-NUCV	Main Memory	4 GB
8GB-NUCV	Main Memory	8 GB
16GB-NUCV	Main Memory	16 GB



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.

©2022 by E.E.P.D. GmbH. All rights reserved. June 13 2022 - Version 1.8



**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](http://www.eepd.de)  
E-Mail: [sales@eepd.de](mailto:sales@eepd.de)