

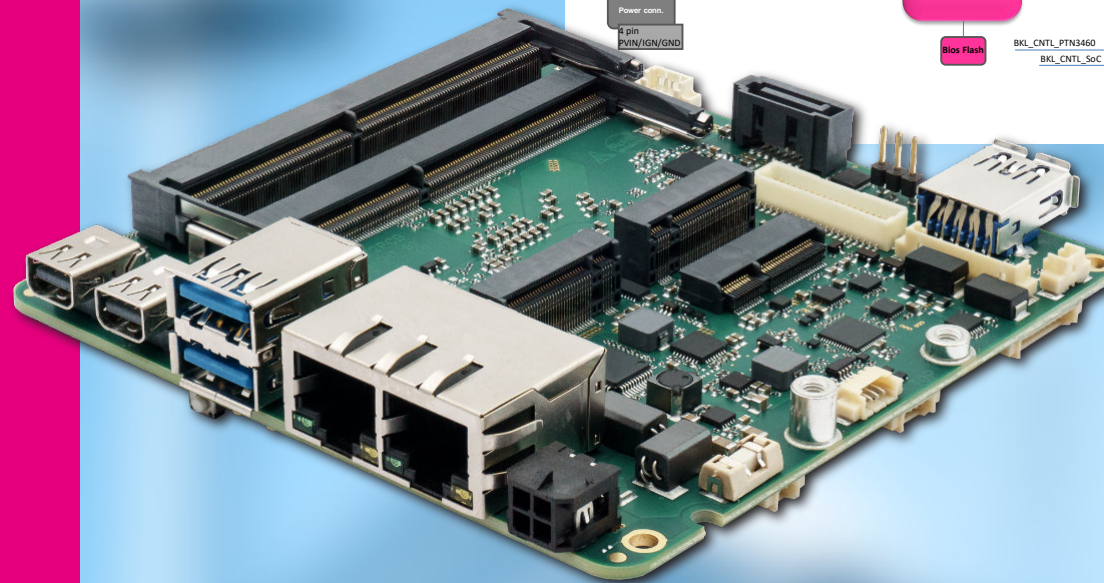
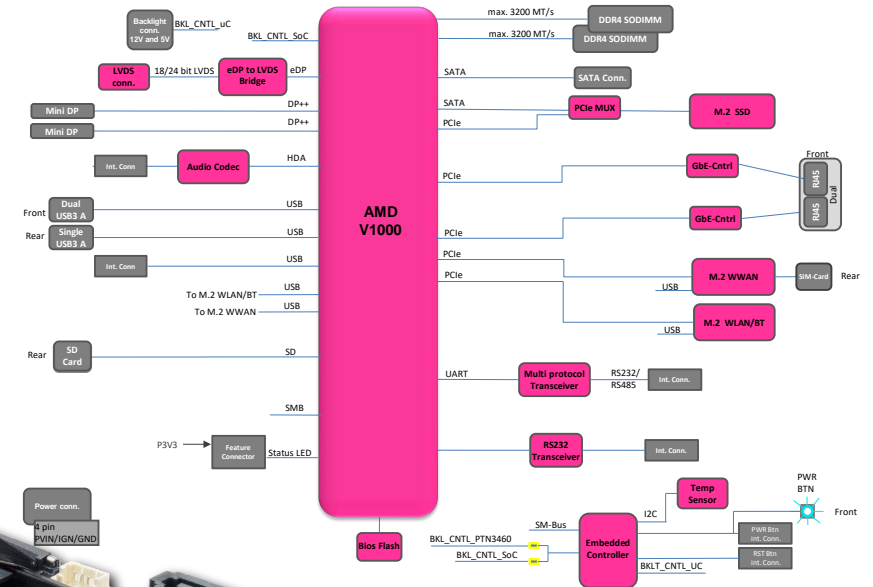
PROFIVE® NUCV



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



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

HIGH QUALITY
 MADE IN GERMANY

10 years
 long life
 support ¹



E.E.P.D. [®]
 ...just embedded!

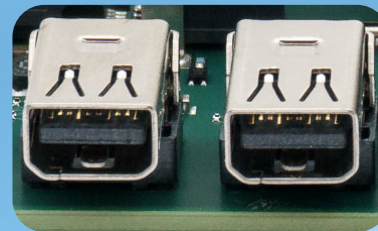
eNUC 101x101

SPECIFICATIONS

CPU	AMD V1000 series ¹ , 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, limited by fuse protection to: 900mA each) 1 Rear USB 3.1 Gen2 (10Gb/s, limited by fuse protection to: 900mA) 1 internal USB 3.1 Gen2 (10Gb/s, limited by fuse protection 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 ² (OEM only)
NUCVD	eNUC	V1807B / 4C / 8T / 3.35 GHz - 3.8 GHz / 35 - 54 W ²

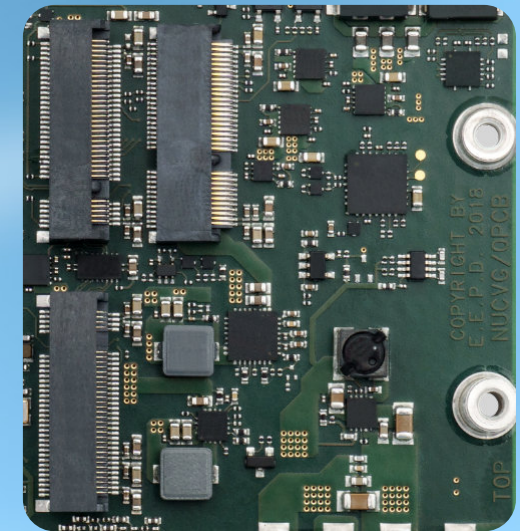
Ordering Code Memory	Description	Size
4GB-NUCV	Main Memory	4 GB
8GB-NUCV	Main Memory	8 GB
16GB-NUCV	Main Memory	16 GB



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

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LIFE SUPPORT APPLICATIONS

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