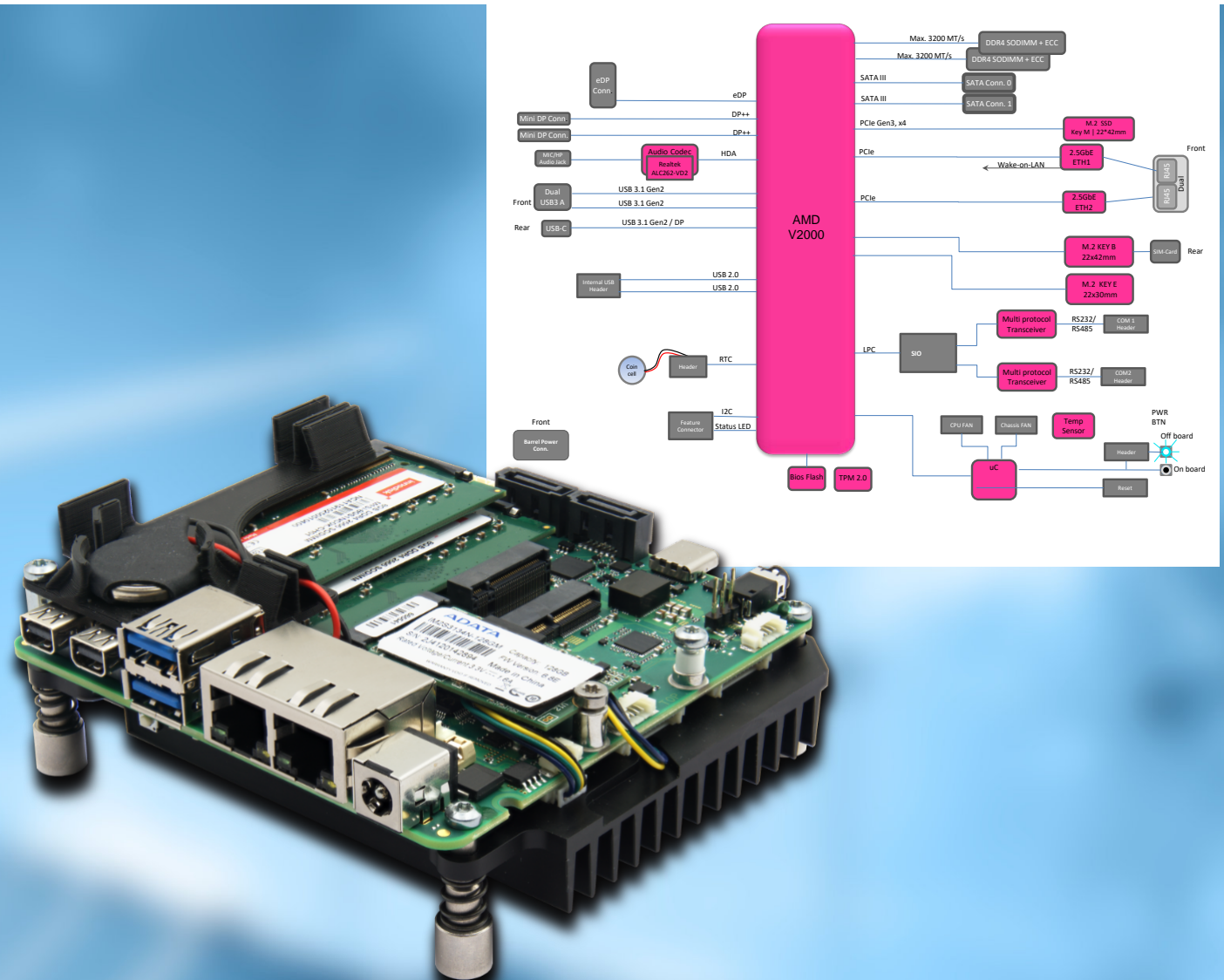# PROFIVE® NUCE_C 25W

APPLICATIONS

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

_ **AI Systems**

_ **Medical Solutions**

   AMD Ryzen™ performance

_ **ML Machine Learning**

_ **CV Computer Vision**

_ **Robotics**

_ **Micro-Server**

_ **High-Performance**
   Workstations

_ **Industrial Systems**

   low power | high performance

_ **IoT**

   edge / fog gateway

[1]10 years availability according to CPU manufacturers specification

HIGH QUALITY
MADE IN GERMANY

AMD
RYZEN
EMBEDDED

ISO 9001
Certified
Quality Management System
TÜV SÜD
www.tuv-sud.com/ms-cert

10 years long life support [1]

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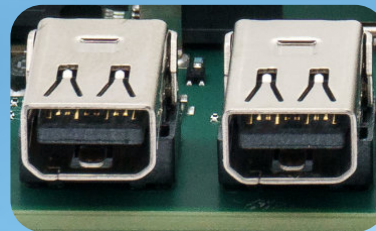## ...just embedded!

eNUC 101x101

SPECIFICATIONS

CPU	AMD V2000 series[1] up to 4.15 GHz, up to 8 cores, 16 threads, max. 25W supported
Max. memory	32 GB dual channel DDR4-3200 SO-DIMM memory with ECC-support
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s and IEEE1588 TSN-support | Wake-On-LAN supported by one port
M.2 socket	1 Key B, 30 mm x 42 mm 1 Key E, 22 mm x 30 mm 1 Key M, 22 mm x 42 mm (SATA or NVMe with PCIex4)
Serial ATA	2 (6G) with separate power connector
USB ports	1 Dual USB 3.1 Gen2 (10Gb/s, limited by fuse protection to: 900mA each) 2 internal USB 2.0 (limited by fuse protection to: 900mA each)
USB-C connector	1 USB-C 3.1 Gen2 (10Gb/s, limited by fuse protection to: 1500mA)
DP connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
Serial port	2 RS-232/485 (HDX/FDX) provided through SUPER I/O
Sound	HDA with MIC in / Headphone out at a 3.5 mm Audio Jack / Line in / Line out
fTPM / TPM	AMD firmware Trusted Platform TPM 2.0 support (Infineon SLB 9670)
Health monitoring and management	Controllable FAN (PWM + Tacho) Hardware monitoring and watchdog
Other	Power and status LEDs, max. 4 GPIO (3.3V) and max. 3 GPO with PWM (3.3V/50kHz)
Power supply	Min. 10.8 V / Max. 26.4 V (DC)
Max. operating temp.	0°C to +60° (ambient, commercial) Depending on components (RAM & SSD) used, the temperature may be limited to 0°C to +50°C
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	107 x 46 x 113 mm
Weight approx.	330g + options
OS support	Microsoft® Windows® 10 Microsoft® Windows® 10 IoT Enterprise Linux Ubuntu 20.04 LTS

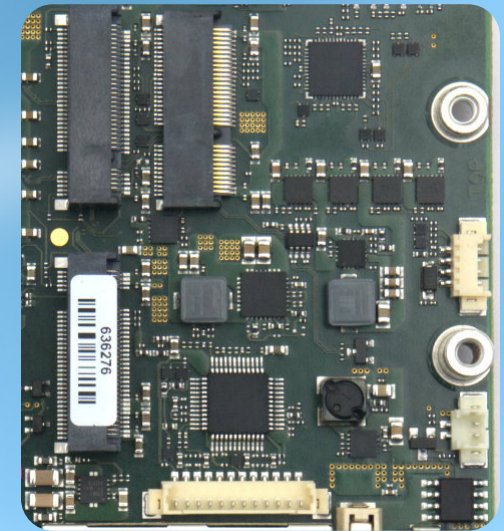| Ordering Code CPU	Description	Type
NUCEFCO	eNUC	V2516 / 6C / 12T / 2.1 GHz - 3.95 GHz / 10 - 25 W
NUCEGCO	eNUC	V2718 / 8C / 16T / 1.7 GHz - 4.15 GHz / 10 - 25 W

Ordering Code Memory	Description	Size
4GB-NUCE_C | 4GB-NUCEE_C	Main Memory	4GB
8GB-NUCE_C | 8GB-NUCEE_C	Main Memory	8GB
16GB-NUCE_C | 16GB-NUCEE_C	Main Memory	16GB

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