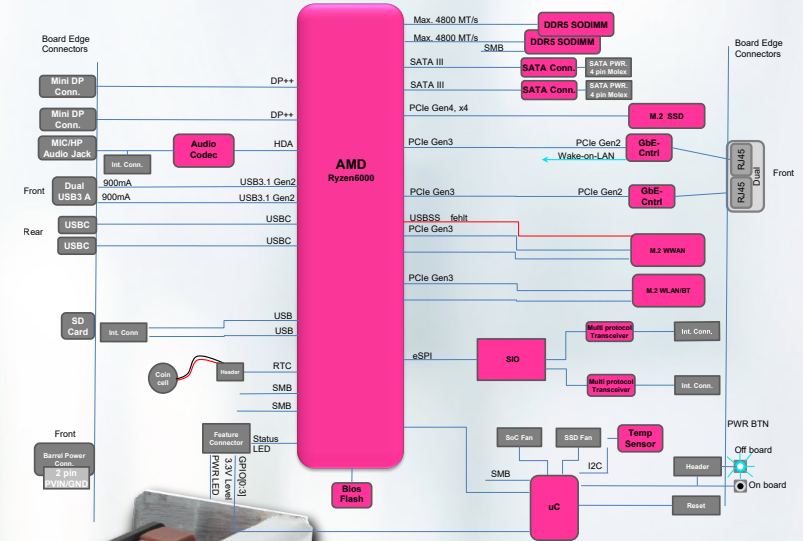


# PROFIVE® NUCS\_C 45W

## APPLICATIONS

The **PROFIVE® NUCS** with **AMD Ryzen™ PRO 6000** was designed as a low power eNUC board with an excellent performance-per-watt ratio. With “**Zen 3™ architecture** and **RDNA 2 iGPU** it is ideally suited for:

- \_ CV Compute Vision
- \_ High-Performance Workstations
- \_ AI Systems
- \_ Medical Solutions
- \_ ML Machine Learning
- \_ Robotics
- \_ Micro-Server
- \_ Rugged Industrial Systems
  - no rotating parts, low power
- \_ IoT
  - edge / fog gateway



HIGH QUALITY  
MADE IN GERMANY

AMD  
**RYZEN**  
PRO

 5 YEARS  
FORM | FIT | FUNCTION

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

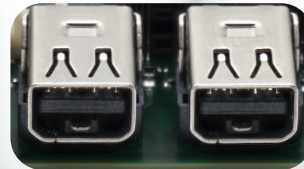
**E.E.P.D.**   
...just embedded!

# eNUC 101x101

## SPECIFICATIONS

CPU	AMD Ryzen™ PRO 6000 series up to 4.9 GHz, up to 8 cores, 16 threads, max. 45W supported
Max. memory	64 GB dual channel DDR5 SO-DIMM memory with ECC-support
Gigabit Ethernet	2 Intel® I225 with 2,5 Gbit/s   TSN-support   Wake-On-LAN supported by one port
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 80 mm (for NVMe only)
Serial ATA	2 (6G) with separate power connector each
USB ports	1 Dual USB 3.1 Gen2 (10Gb/s, limited to: 900mA each)
USB-C connector	2 USB-C 3.1 Gen2 or ALT-Mode support (10Gb/s, limited to 1500mA)
DP connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
eDP connector	1 eDP max. 3840x2160 with backlight control
Serial port	2 RS-232/485 (HDX/FDX)
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 grade; other on request
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	139 x 86 x 110 mm
Weight approx.	890g + options
OS support	Microsoft® Windows® 11 Microsoft® Windows® 10 IoT Enterprise Microsoft® Windows® 10 Linux Ubuntu 20.04 LTS

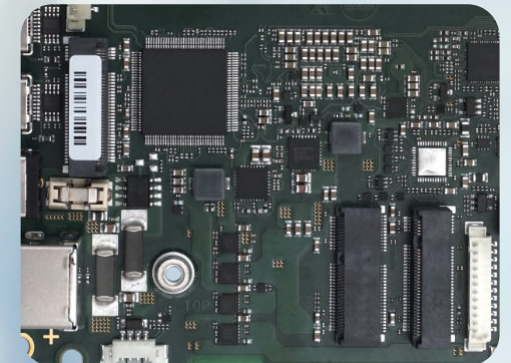
Ordering code	Description	Type / Size
NUCSCCO	SBC	6650H   6C   12T   3.3 GHz - 4.5 GHz   45W
NUCSDCO	SBC	6850H   8C   16T   3.2 GHz - 4.7 GHz   45W
NUCSECO	SBC	6950H   8C   16T   3.3 GHz - 4.9 GHz   45W
4GB-NUCS	Main Memory	4GB
8GB-NUCS	Main Memory	8GB
16GB-NUCS	Main Memory	16GB
32GB-NUCS	Main Memory	32GB



**Dual-Mini-DP-Support**  
**Single Display Max. 4096 x 2160 @ 60 Hz**



**Dual 2.5 Gigabit Ethernet**



**Triple M.2 Sockets | 1x 2280 NVMe support**

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LIFE SUPPORT APPLICATIONS

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