

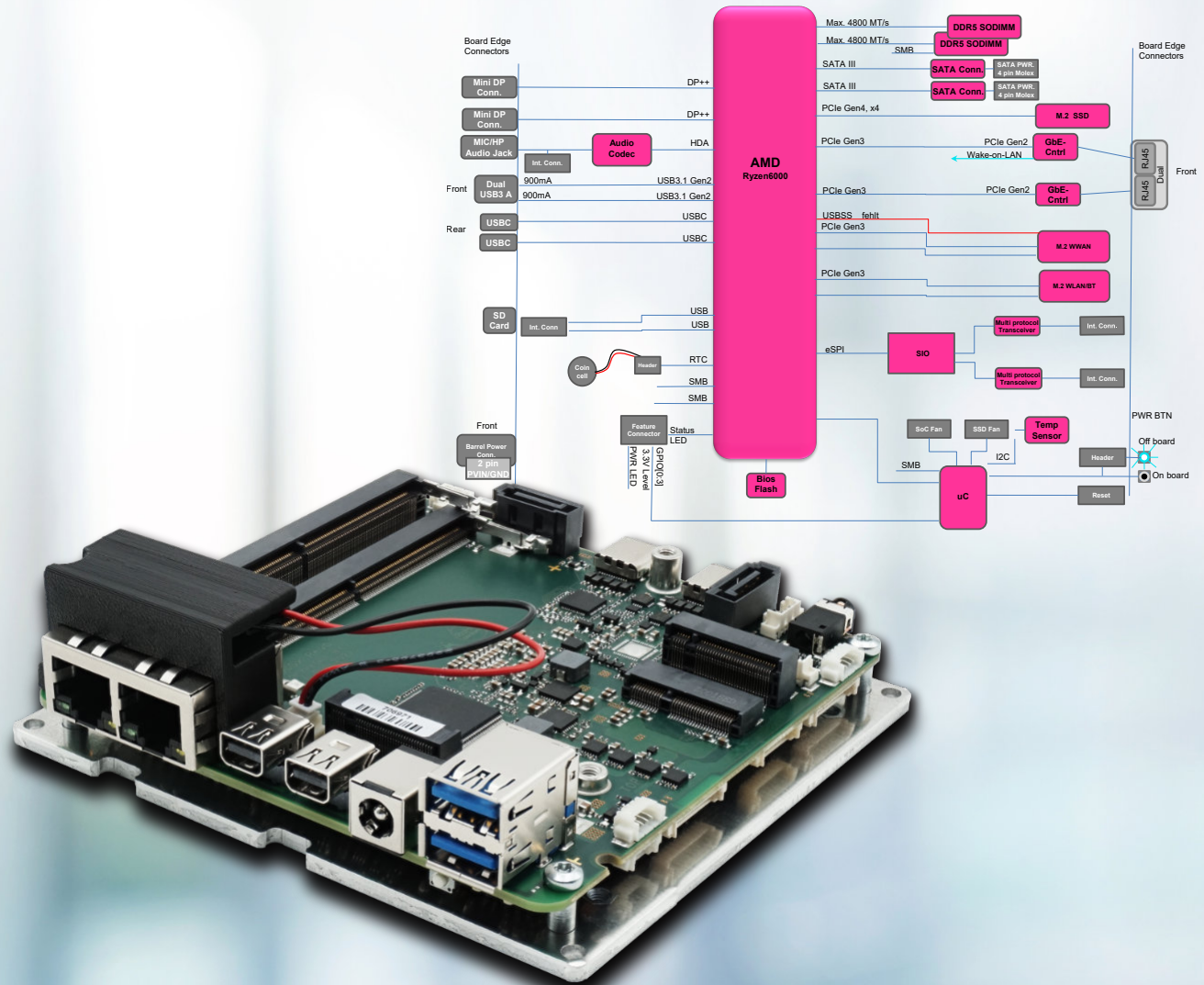
PROFIVE® NUCS_HS



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/me-cert

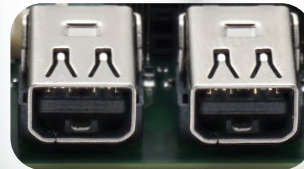
E.E.P.D.
...just embedded!

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	Up to 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)
USB ports	1 Dual USB 3.1 Gen2 (10Gb/s, fused to: 1500mA each)
USB-C connector	2 USB-C 3.1 Gen2 or ALT-Mode support (10Gb/s, fused to 1500mA)
DP connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
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; sufficient cooling provided; other on request
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	111 mm x 31mm x 103 mm
Weight approx.	250g + options
OS support	Microsoft® Windows® 11 Microsoft® Windows® 10 IoT Enterprise Microsoft® Windows® 10 Linux Ubuntu 20.04 LTS

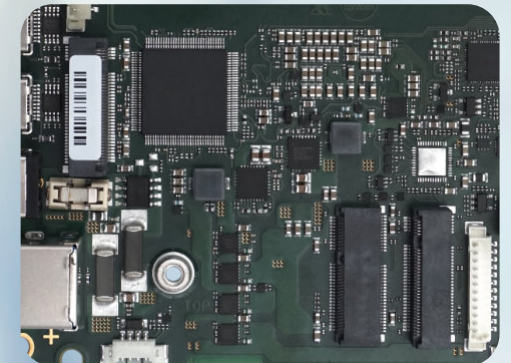
Ordering code	Description	Type / Size
NUCS-HS-6650U	SBC	6650U 6C 12T 2.9 GHz - 4.5 GHz 15 - 28W
NUCS-HS-6650H	SBC	6650H 6C 12T 3.3 GHz - 4.5 GHz 45W
NUCS-HS-6850U	SBC	6850U 8C 16T 2.7 GHz - 4.7 GHz 15 - 28W
NUCS-HS-6850H	SBC	6850H 8C 16T 3.2 GHz - 4.7 GHz 45W
NUCS-HS-6950H	SBC	6950H 8C 16T 3.3 GHz - 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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