

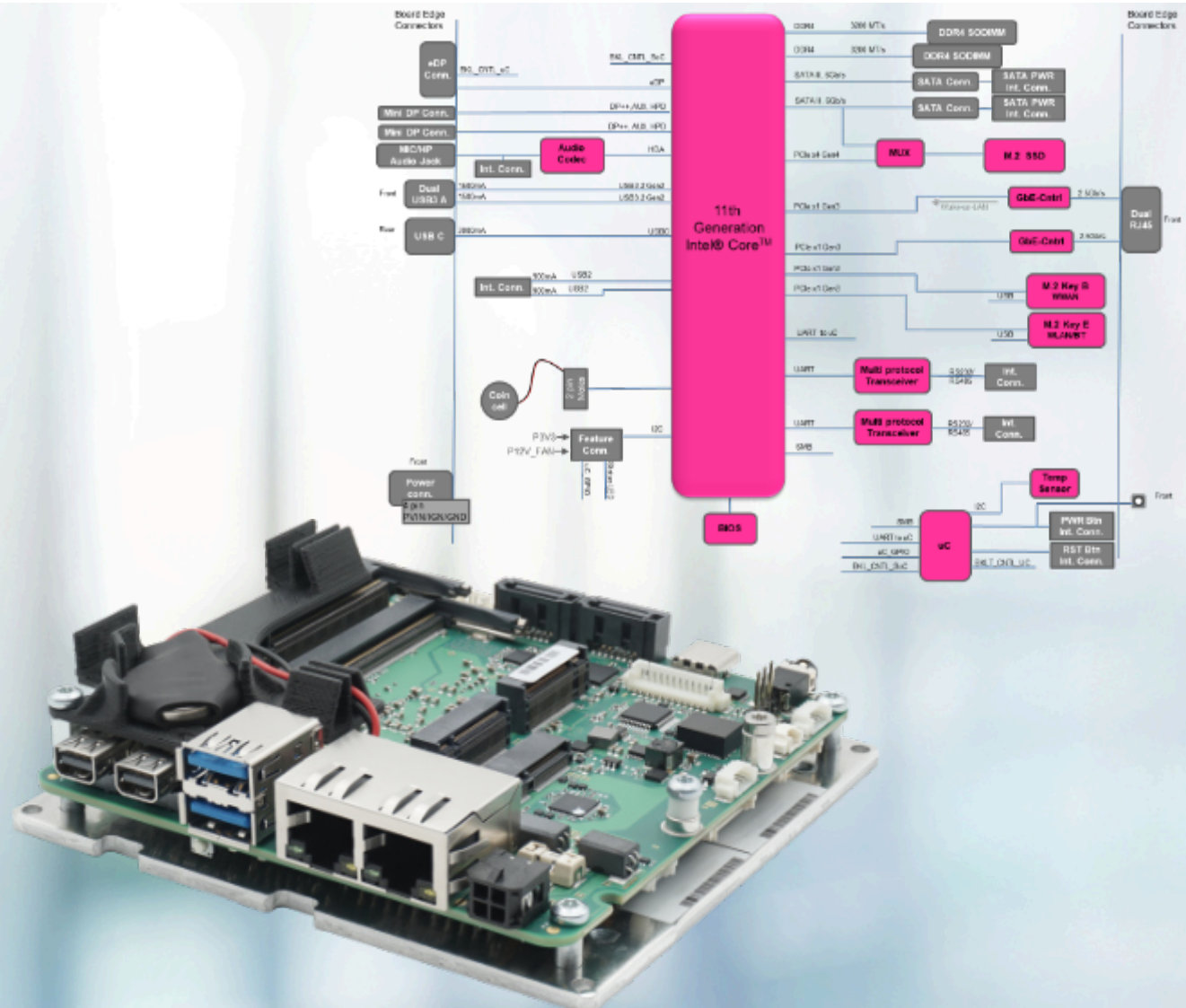
# PROFIVE® NUCT\_HS



## APPLICATIONS

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

- \_ Rugged Industrial Systems  
no rotating parts, low power,  
extended temperature
- \_ Medical Solutions
- \_ CV Computer Vision
- \_ Robotics
- \_ Micro-Server
- \_ High-Performance  
Workstations
- \_ IoT  
edge / fog gateway



HIGH QUALITY  
MADE IN GERMANY

15 years availability  
according to CPU  
manufacturers  
specification

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

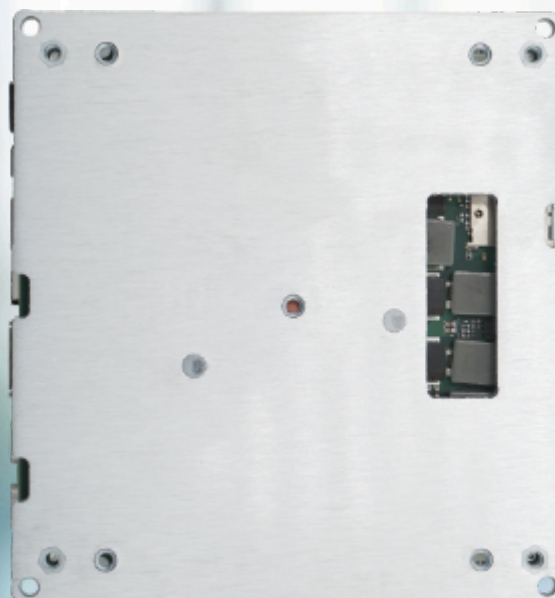


## SPECIFICATIONS

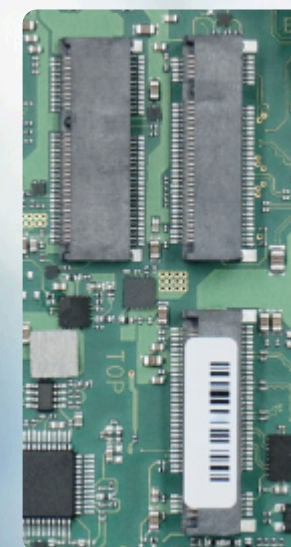
CPU	Intel® Celeron® Processor 6000 Series and 11th Generation Intel® Core™, max. 28W supported
Max. memory	2x 32 GB dual channel DDR4-3200 SO-DIMM memory; industrial temp. variants with In-Band ECC
Gigabit Ethernet	2 Intel® I225/I226 with 2,5 Gbit/s with IEEE1588, I225: 0°C to +60°C ambient commercial temp. I226: -40°C to +85°C ambient industrial temp. 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 (NVMe with PCIe Gen4 x4, SATA III)
Serial ATA	Up to 2 (6G) with separate power connector (1500 mA, non-fused, per connector)
USB-A ports	2 USB 3.2 Gen2 (10Gb/s, fused to: 1500mA each) 2 internal USB 2.0 (fused to: 900mA each)
USB-C connector	1 USB-C 3.2 Gen2 (10Gb/s, fused to: 3000mA) or 1 DP++ output up to 4096 x 2160 @ 60 Hz
DP connectors	2 Mini-DP++ connectors up to 4096 x 2160 @ 60 Hz
eDP connector	1 eDP max. 4096x2304 @ 60 Hz with backlightcontrol (OEM/ODM only)
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	Intel® PTT (Firmware TPM) 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 GPIO with PWM (3,3V/50kHz)
Power supply	Min. 8 V / Max. 32 V (DC) automotive grade   KL15 (ignition)
Max. operating temp.	0°C to +60°C ambient commercial grade; -40°C to +85°C ambient industrial grade; Adequate cooling provided; Depending on variant; Depending on the cooling system, CPU throttling may occur at higher ambient temperatures.
Max. storage temp.	-40°C to +85°C
Max. relative humidity	95% @ 40°C, non-condensing
Size approx.	111 mm x 31 mm x 103 mm
Weight approx.	250g + options
OS support	Microsoft® Windows® 10 Microsoft® Windows® 10 IoT Enterprise Microsoft® Windows® 11 Linux Ubuntu 22.04 LTS

# eNUC 101x101

Ordering Code	CPU	Max. operating temp.
NUCTAHS	INTC6305E / 2C / 2T / 1.8 GHz / 15W	0°C to +60°C
NUCTBHS	i3-1115G4E / 2C / 4T / 2.2 GHz - 3.9 GHz / 12 - 28W	0°C to +60°C
NUCTCHS	i5-1145G7E / 4C / 8T / 1.5 GHz - 4.1 GHz / 12 - 28W	0°C to +60°C
NUCTDHS	i7-1185G7E / 4C / 8T / 1.8 GHz - 4.4 GHz / 12 - 28W	0°C to +60°C
NUCTEHS	i3-1115GRE / 2C / 4T / 2.2 GHz - 3.9 GHz / 12 - 28W	-40°C to +85°C
NUCTFHS	i5-1145GRE / 4C / 8T / 1.5 GHz - 4.1 GHz / 12 - 28W	-40°C to +85°C
NUCTGHS	i7-1185GRE / 4C / 8T / 1.8 GHz - 4.4 GHz / 12 - 28W	-40°C to +85°C



Heatspreader



M2 socket

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**E.E.P.D. Electronic Equipment  
Produktion & Distribution GmbH**  
Gewerbering 3  
85258 Weichs - Germany  
Phone +49 8136 2282-0  
Internet: [www.eepd.de](http://www.eepd.de)  
E-Mail: [sales@eepd.de](mailto:sales@eepd.de)