

NUC-ADN

Intel® Alder Lake-N Fanless NUC System



Features

- Intel® Alder Lake-N Processor
- Single Memory Socket, Max. Up to 16GB DDR5 4800 MHz
- Support 2.5" Storage, Key-E for Wi-Fi (CNVi), dTPM 2.0
- Dual Intel® 2.5 Gigabit Ethernet
- Max. 3-Display (2-HDMI 2.0b, 1-DP from Type C)
- Max. 5-USB 3.2 (4-Type A, 1-Type C)
- Default VESA & Din-Rail Kit



No Vent



Ultra Compact
115 x 111 x 45mm



Rugged Design
5G/55G



Fanless
0 ~ 50°C



USB 3.2/ DP 1.4
PD 30W

Specifications

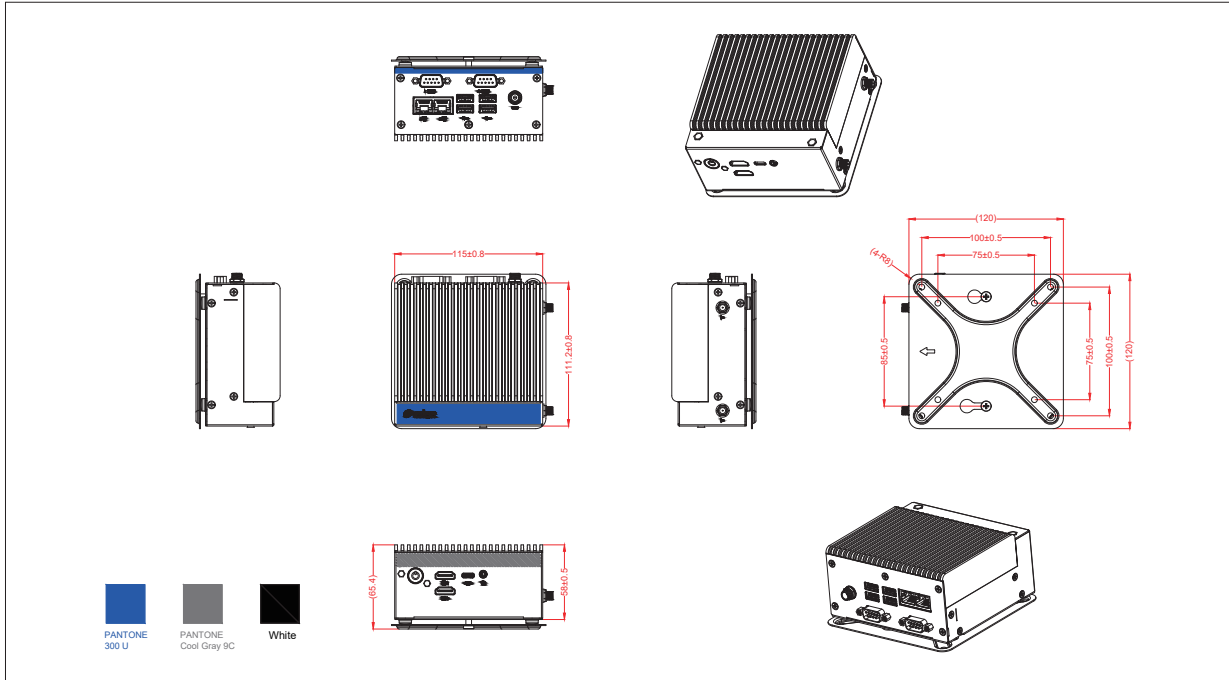
System Information	
Processor	Intel® Processor N97 (4-Core, 6M, 12W)
System Memory	1 x 262-pin SODIMM Socket Max. up to 16GB DDR5 4800 MHz
I/O Chipset	ITE IT5782VG
BIOS Information	AMI 256Mb UEFI BIOS
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature, Voltage with Auto Throttling Control
TPM	dTPM 2.0
Expansion	
M.2	1 x M.2 Key-E 2230 (PCIe, USB 2.0, CNVi)
Storage	
M.2	1 x 2.5" Drive Bay (7mm)
Front I/O	
USB	1 x USB3.2 Gen 2 type C
Power Button	1 x Power Button w/LED
LAN Port	2 x RJ45
Audio	1 x Audio Jack (Mic-in + Line-out)
HDMI	2 x HDMI 2.0b
Rear I/O	
USB	4 x USB3.2 Gen 2
Right I/O	
Antenna	2 x Antenna Mounting with Dust Cover
Display	
Graphic Chipset	Intel® UHD Graphics
Resolution	HDMI 2.0b: 4096 x 2160 @ 60Hz
Audio	
Audio Codec	Realtek ALC888S
Ethernet	
LAN Chipset	2 x Intel® Ethernet Controller I226V
Data Rate Per Port	10/100/1000/2.5G Base-Tx GbE compatible

Power Requirement	
Voltage Input Spec.	+12V DC-in
Voltage Input Connector	1 x Lockable DC Jack
ACPI	Single power ATX support S0, S3, S4, S5
Power Mode	AT/ATX (ATX is default setting)
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 120W Adapter (12V @ 10A)
Software Support	
OS	Win10, Win11, Linux
Certification	
Certification Information	CE/FCC Class B, UKCA
Mechanical & Environmental	
Operating Temp.	0°C ~ 50°C (32°F ~ 122°F) with 0.5m/s air flow

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Mechanical Drawing



Ordering Information

P/N	Processor	Memory	Adapter	Mounting Kit	I/O Ports (COM/USB/LAN)	Display Output	Audio Port	Power Input	Working Temp.	OS Support
NUC-ADN-N97-A1-1R	Intel® Processor N97	8GB DDR5	12V/10A	Din-Rail/VESA/ Wall mount	2/4/2	HDMI	Combo Jack (Mic-in + Line-out)	+12V DC in	0°C ~ 50°C	Windows 10/11 Linux

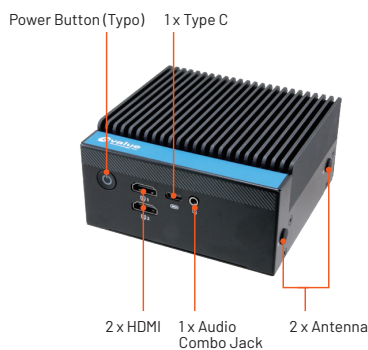
Packing List

Item	Quantity
NUC-ADN Slim System	1
AC/DC Adapter 12V/10A	1
Vesa Mount	1
Din Rail Kit	1
Screw Kit for Peripherals	1

Optional Items

Item	P/N
Power Cord 3P (F)-3P (M) 183cm, USA Type	E1702031833R
Power Cord SL-6 + SL-3 183cm, EU Type	E1702031000R
Power Cord 3P (F)-3P (M) 183cm, Japan w/PSE Type	E1702031834R
Power Cord QP-026 + SL-3 183cm, UK Type	E170P060380R
Power Cord 3P (F)-3P (M) 183cm, Australia Type	E1702031831R

I/O Overview



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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