



## 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<br>Output: 120W Adapter (12V @ 10A) |

### Software Support

|    |                     |
|----|---------------------|
| OS | Win10, Win11, Linux |
|----|---------------------|

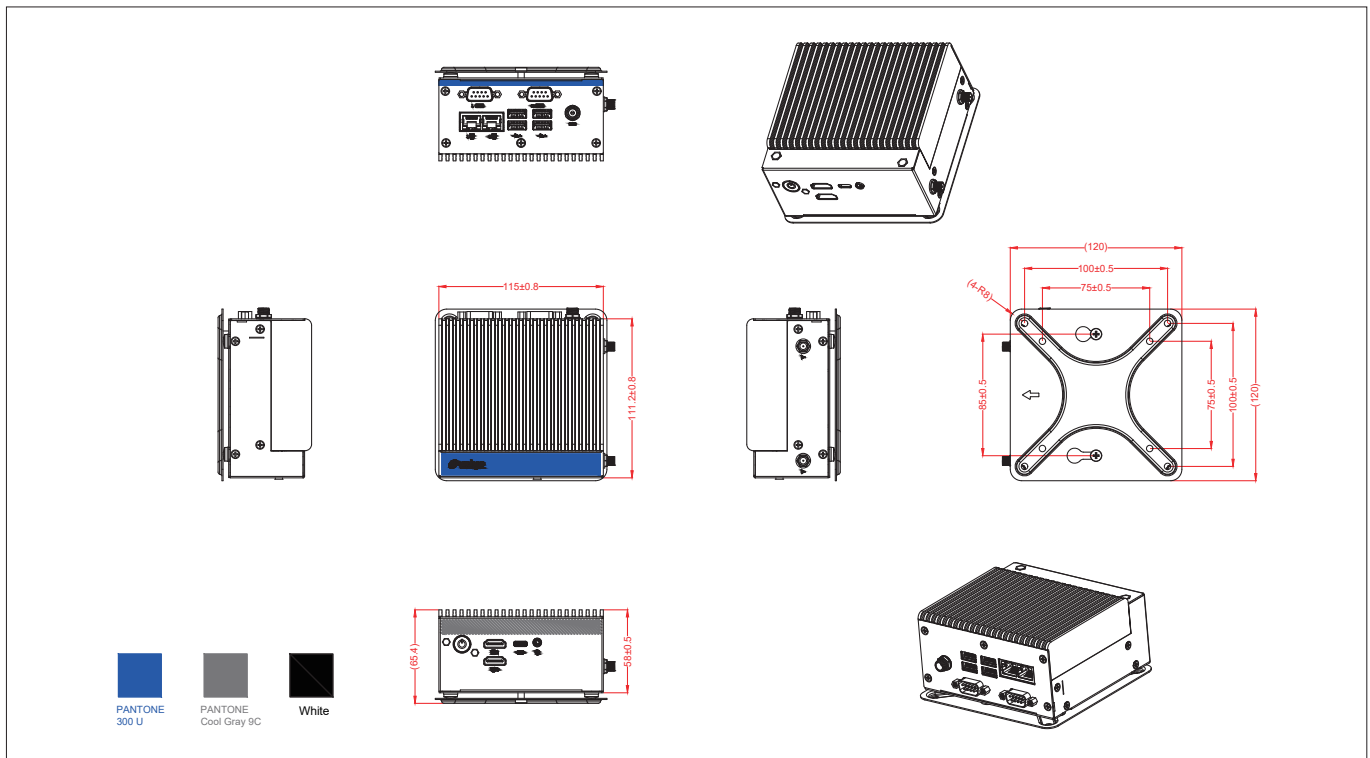
### Certification

|                           |                      |
|---------------------------|----------------------|
| 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 |
|-----------------|------------------------------------------------|

# Mechanical Drawing



## Ordering Information

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

