

ACS-ADNC

Intel® Alder Lake N series Fanless Slim System



Product Features

- Intel® Alder Lake i3N & N Series(15W) & Amston Lake series Processors
- Dual Display, HDMI 2.0b & DP++
- 2 x Intel® Ethernet Controller (1GbE)
- 6 x USB Port (4 x USB3.2 Gen1, 2 x USB2.0 for System, M/B, 4 x USB 3.2 Gen1, 5 x USB 2.0)
- 1 x Lin out /Audio jack
- 1 x 260-Pin DDR4 3200MHz non-ECC SO-DIMM Socket Supports Up to 16GB
- 4 x COM Port (4 x RS232)
- 3 x Expanslot Slot (M.2 2230 Key-E, 2242/3052 Key-M, 2280 Key-M)
- 1 x DC jack

Specification

System Information

Processor	Intel® Alder lake N97 /I3-N305 Processor
System Memory	1 x SO-DIMM DDR4 3200MHz up to 16GB
I/O Chipset	Super IO-ITE: IT8786E-I
BIOS Information	AMI uEFI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	CPU temperature monitoring Voltages monitoring CPU fan speed control
SBC	SV3b-12N26

Expansion

M.2	1 x M.2 Key-E 2230 (PCIe+USB2.0) 1 x M.2 Key-B 2242/3052 (USB2.0+USB3.0) 1 x M.2 Key-M 2280 (PCIe+SATA)
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Storage

M.2	1 x M.2 Key-M 2280 (PCIe) slot for storage NVMe SSD
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Front I/O

Power Button	1 x PWR BTN with LED
COM Port	4 x RS232(DB9)

Rear I/O

USB	4 x USB 3.2 Gen1x1 Type A 2 x USB 2.0 Type A
LAN Port	2 x RJ45
Audio	1 x Mic-in, Line-out, 2 in1 3.5mm Jack
DP	1 x DP++
HDMI	1 x HDMI 2.0b
Antenna	2 x Antenna Mounting

Right I/O

Antenna	2 x Covered antenna hole
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Left I/O

Antenna	2 x Covered antenna hole
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Display

Graphic Chipset	Intel® UHD Graphics for 13th Gen Intel® Processors or Intel® Iris® Xe Graphics eligible for 12th Gen Intel® Processors
Resolution	HDMI 2.0 2048x 1080@60Hz DP++: Max 4096 x 2340@60Hz

Audio

Audio Codec	RealTek ALC897 audio codec
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Ethernet

LAN Chipset	1 x Intel® i226V 2.5 Gigabit Ethernet Controller 1 x Intel® WGI210AT Gigabit Ethernet Controller
Specification	10/100/1000 GbE (I210-AT) 10/100/1000 GbE (I226-V)

LED Indicator	1 x I210AT 1GbE 1 x I226V 1GbE
Power Requirement	
Voltage Input Spec.	DC 12V
Voltage Input Connector	Lockable DC Jack
ACPI	Single power ATX support S0, S3, S4, S5
Power Mode	AT/ATX (ATX is default setting)
Adapter	AC to DC adapter
Software Support	
OS	Win10, Win11, Linux
Mechanical & Environmental	
Operating Temp.	-10~55°C (32°F ~ 104°F) with 0.5m/s air flow
Storage Temp.	-30~70C° (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	180mm x 136mm x 40mm
Vibration Test	with SSD: 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
Shock Test	IEC 60068-2-27, Half Sine, 11ms
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Mounting Kit	Table Stand/Din Rail/VESA
Kensington Lock	Kensington Lock