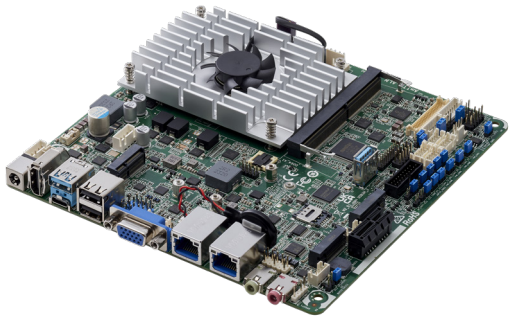
AmITX-ALN

Industrial Mini-ITX Motherboard with Intel® N97 Processor

Features

- Intel Alder Lake N SoC processors, N97
- Single channel DDR4 3200 MHz memory up to 32 GB
- Triple independent display: HDMI 2.0b, DP 1.4a (from Type C), VGA, LVDS or eDP
- Dual GbE ports: 2x 2.5GbE
- Expansion slots: 1x PCIe Gen3 x1, 1x USB 3.2 Gen2 Type C, 4x USB 3.2 Gen1, 6x USB 2.0, 1x M.2 B-key, 1x M.2 E-key, 1x M.2 M-key
- 12 to 28V DC-in



Ordering Information

PN	Model Name	CPU	Memory	PCIe x1	DP	HDMI	VGA	LVDS/eDP	LAN	COM	SATA	M.2	USB3.2 (Gen1)	USB3.2 (Gen2)	USB2.0	RAID
95-16009-0000	AmITX-ALN-N97	N97	Non-ECC DDR4 3200 MHz	1	1	1	1	1	2	4	1	3	4	1	6	No

Packing Lists

PN	Description	QTY
95-16009-0000	AmITX-ALN-N97	1
N/A	M.2 screws kits	1
N/A	I/O shield	1

Optional Accessories

PN	Description
30-21625-0000-B0	USB 2.0 Cable (2 ports)
30-21597-1000-A0	USB 3.0 Cable (2 ports)
30-10057-7000	SATA Cable
30-22156-0000-A0	SATA Power Cable
30-22155-0000-A0	COM Port Cable (1 port)
31-62196-0000-A0	120W 24V/5A Adapter

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Embedded OS

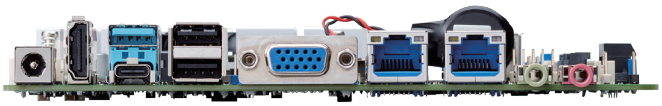
PN	Description
92-56094-0010	Windows 10 IoT Ent LTSC 2021 High End PKEA
92-56094-2010	Windows 10 IoT Ent LTSC 2021 Value PKEA
92-56094-4010	Windows 10 IoT Ent LTSC 2021 Entry PKEA
92-56101-0010	Windows 11 IoT Ent 2022 High End PKEA
92-56101-2010	Windows 11 IoT Ent 2022 Value PKEA
92-56101-4010	Windows 11 IoT Ent 2022 Entry PKEA

Specifications

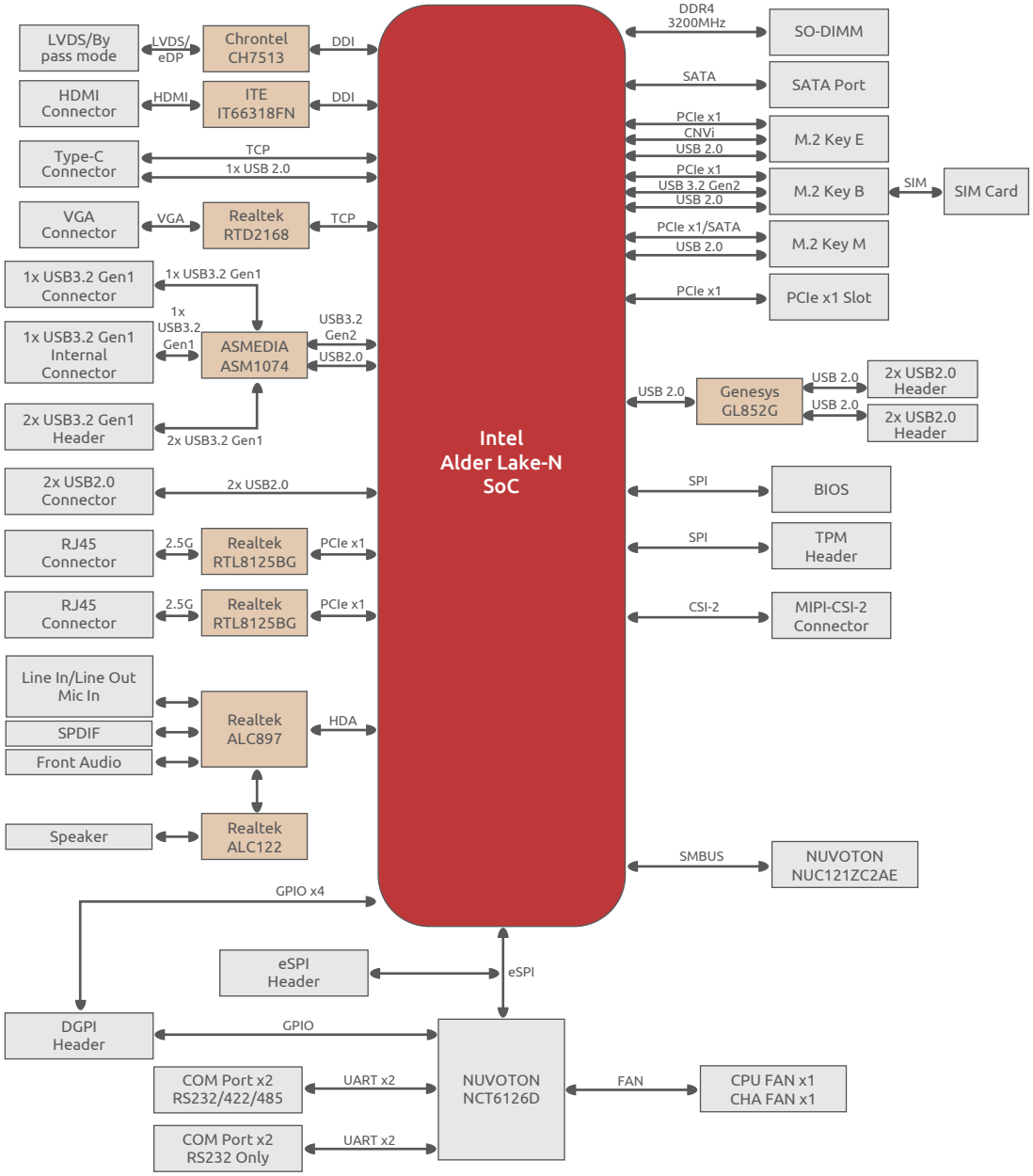
Model	AmITX-ALN
Processor System	
CPU	Intel® Alder Lake N SoC (N97), max speed up to 3.6GHz, 12W
Socket	-
Chipset	-
Memory	1x DDR4 SO-DIMMs 3200MHz, up 32GB, non-ECC
OS Support	Windows® 10/11 64-bit Ubuntu 22.04.4 LTS 64-bit
Display	
VGA	1
HDMI	1x HDMI 2.0b
DisplayPort	1x DP 1.4a
LVDS/eDP	1
DVI	-
No. of Displays	3
Ethernet	
Gbe Port	2
Controller/Frequency	2x 2.5GbE (RTL8125BG)
Storage	
SATA	1
RAID	-
mSATA	-
I/O Interfaces	
USB	1x USB 3.2 Gen2 (TypeC), 1x USB 3.2 Gen1, 2x USB 2.0 (rear I/O) 2x USB 3.2 Gen1 x1 (via header) 1x USB 3.2 Gen1 x1 (TypeA vertical connector), 4x USB 2.0 (via headers)
COM	2x RS-232/422/485 (via headers) 2x RS-232 (via headers)
PS/2	-
Audio	Realtek® ALC897; 1x Mic-in, 1x Line-out
GPIO	8-bit
TPM	1x TPM header
Expansion Slots	
PCIe	1x PCIe3.0 x1
Mini-PCIe	-
M.2	1x M.2 2242/2260/ 2280 M Key (PCI3.0 x1, SATA, USB 2.0) 1x M.2 2230 E Key (PCIe x1, USB 2.0, CNVi) 1x M.2 3042/3052 B Key (PCIe x1, USB 3.0, USB 2.0) 1x SIM socket (connected to M.2 B Key)
Mechanical and Environmental	
Dimension	170 x 170mm (W x L)
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	60°C @ 95% RH, non-condensing
Power Supply	12~28V DC-in with 4-pin wafer PWR cable or DC Jack
Certification	
	CE & FCC Class B

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Product Illustration



Block Diagram



All products and company names listed are trademarks or trade names of their respective companies. Updated Oct. 15, 2024. ©2024 ADLINK Technology, Inc. All Rights Reserved. All pricing and specifications are subject to change without further notice.