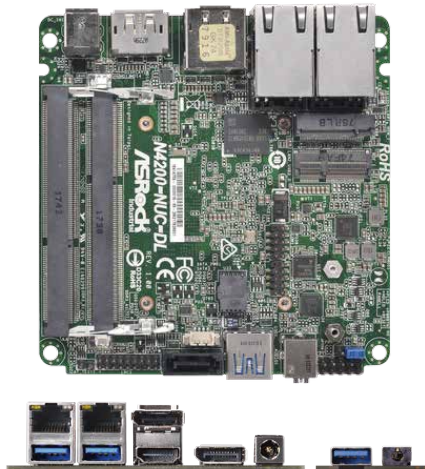




J3455-NUC-DL

NUC Motherboard



KEY FEATURES

- Intel® Apollo Lake SoC Processor
- Supports Dual Channel DDR3L SO-DIMM 1867 MT/s up to 16GB
- 32GB EMMC (Optional)
- 1 x HDMI, 2 x DisplayPort,
- 3 x USB 3.0, 2 x USB 2.0, 1 x SATA3
- 1 x M.2 2230, Key E (PCIe x1 +USB)
- 2 x RJ45 Realtek RTL8111G /RTL8111H-CG
- 1 x TPM on board

SPECIFICATIONS

Form Factor

Dimensions	NUC 4.09" x 4.02"
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Processor System

CPU	Intel® Apollo Lake J3455 SoC
Chipset	Intel SoC

Memory

Technology	Dual Channel DDR3L 1867
MAX	16GB
Socket	2 x SO-DIMM

Graphics

Controller	Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4
VGA	N/A
LVDS	N/A
eDP	N/A
HDMI	Supports HDMI 1.4b, Max. resolution 3840 x 2160@30Hz
DVI	N/A
DisplayPort	Supports DP 1.2, Max. resolution 4096 x 2160@60Hz
MultiDisplay	Triple Display

Expansion Slot

PCIe	N/A
mini-PCIe	N/A
M.2	1 x M.2 2230, Key E (PCIe x1 +USB2.0), 1x M.2 2242/2260, Key M
mSATA	N/A

Audio

Interface	Realtek ALC897 HD , High Definition Audio. Mic-In / Line-Out
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Ethernet

Controller/ Speed	2 x Realtek RTL8111G/RTL8111H-CG with 10/100/1000 Mbps
Connector	2 x RJ-45

Rear I/O

VGA	N/A
DVI	N/A
HDMI	1
DisplayPort	2
Ethernet	2
USB	2 x USB 3.0
Audio Jack	1 x (Mic-in. Line-out)
Serial	N/A
PS/2	N/A

Internal Connector

USB	2 x USB 2.0
LVDS	N/A
eDP	N/A
VGA	N/A
Serial	1
SATA	1x SATA3 (6.0 Gb/s)
Parallel	N/A
GPIO	N/A
SATA PWR Output Con	1
Speaker Header	N/A
TPM	SPI TPM on-board design (optional)

Storage

M.2	1 x M.2 (Key M, 2242/2260/2280) with SATA3 and PCIe x4 for SSD * Shared with SATA3_0
mSATA	N/A
SATA	2 x SATA3 (6Gb/s)
RAID	Intel® SATA RAID 0/1
eMMC	N/A

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2...255sec/min

Power Requirements

Input PWR	12V DC-In (DC Jack)
Power On	AT/ATX Supported AT : Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready

Environment

Operating Temperature	0°C ~ 60°C
Storage Temperature	-40° C ~ 85° C

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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