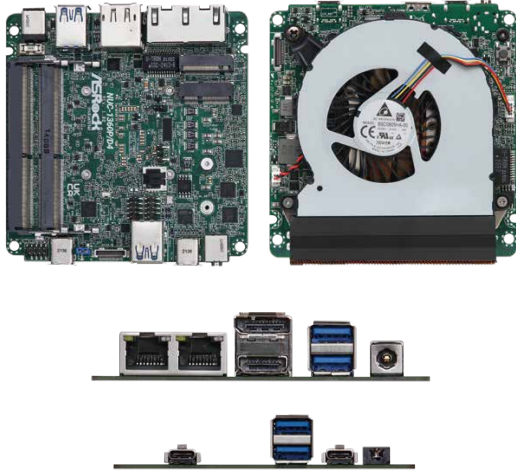


## NUC 1300/D4 Motherboard Series

### NUC Motherboard



#### KEY FEATURES

- Intel® 13th Gen (Raptor Lake-P) Core™ Processors
- 2 x 260-pin SO-DIMM DDR4 3200 MHz, up to 64GB
- 1 x USB4, 5 x USB3.2 Gen2, 2 x USB 2.0, 1 x M.2 Key M, 1 x M.2 Key E, 1 x COM, 1 x SATA3
- 2 x Intel 2.5 Gigabit LAN
- Supports Quad display, 1 x HDMI 2.0b, 3 x DP 1.4a (2 from Type-C)
- TPM 2.0 onboard IC
- Supports Intel® vPro, AMT (NUC-1365UE/D4, NUC-1345UE/D4)
- 12V~19V DC-In

#### SPECIFICATIONS

##### Form Factor

Dimensions	NUC (4.09-in x 4.02-in x 1.5-in, 10.4 cm x 10.2 cm x 3.8 cm)
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##### Processor System

CPU	Intel® 13th Gen (Raptor Lake-P) Core™ Processors NUC-1360P/D4 (i7-1360P, 4P+8E) NUC-1340P/D4 (i5-1340P, 4P+8E) NUC-1365UE/D4 (i7-1365UE, 2P+8E) NUC-1345UE/D4 (i5-1345UE, 2P+8E) NUC-1315UE/D4 (i3-1315UE, 2P+4E) NUC-1315U/D4 (i3-1315U, 2P+4E)
Chipset	MCP
BIOS	AMI SPI 256 Mbit

##### Memory

Technology	Dual Channel DDR4 3200 MHz
Capacity	64GB (32 GB per DIMM)
Socket	2 x 260-pin SO-DIMM

##### Graphics

Controller	Intel® Iris® Xe Graphics
HDMI	HDMI 2.0b Max resolution up to 4096x2160@60Hz
DisplayPort	DisplayPort 1.4a, DP++ Max resolution up to 4096x2160@60Hz
MultiDisplay	Max 4 display (Included 2 outputs from Type-C)

##### Expansion Slot

M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0 and CNVi for Wireless
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##### Audio

Interface	Realtek ALC233/ALC256, High Definition Audio.
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##### Ethernet

Controller/ Speed	NUC-1365UE/D4, NUC-1345UE/D4: Intel® I226LM with 10/100/1000/2500 Mbps, supports AMT/vPro NUC-1360P/D4, NUC-1340P/D4, NUC-1315U(E)/D4: Intel® I226LM with 10/100/1000/2500 Mbps
Connector	2 x RJ-45

##### Front I/O

USB	2 x USB 3.2 Gen2 (Type A) 1 x USB4/Thunderbolt™ 4 (Supports DP1.4a display output) 1 x USB 3.2 Gen2 (Type-C, Supports DP1.4a display output)
Audio	1 (headphone & microphone jack)

##### Rear I/O

HDMI	1 x HDMI 2.0b
DisplayPort	1 x DP1.4a
Ethernet	2 x 2.5 Gigabit LAN
USB	2 x USB 3.2 Gen2 (Type A)
DC Jack	1

##### Internal Connector

USB	2 x USB 2.0 (1 x 2.00 pitch header)
COM	1 x COM (RS-232/RS-422/RS-485)
TPM	TPM 2.0 onboard IC

##### Storage

M.2	1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen4 x4 for SSD *M.2 Key M 2280 (Supported by bracket)
SATA	1 x SATA3.0 (6.0 Gb/s)

##### Watchdog Timer

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

##### Power Requirements

Input PWR	12V~19V DC-In 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 Temp	-20°C ~ 70°C
Storage Temp	-40°C ~ 85°C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%

## 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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