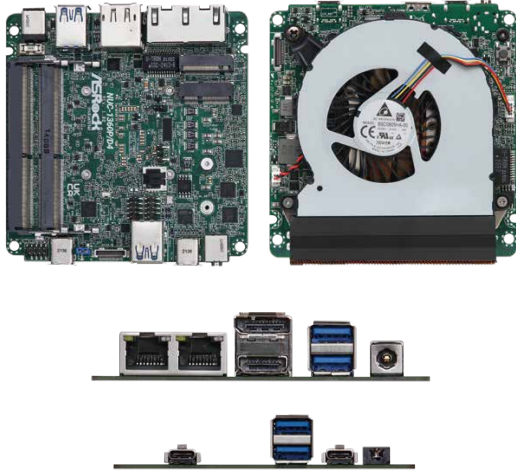


NUC 1300/D4 Motherboard Series

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) |
|------------|--|

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

Audio

| | |
|-----------|---|
| Interface | Realtek ALC233/ALC256, High Definition Audio. |
|-----------|---|

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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