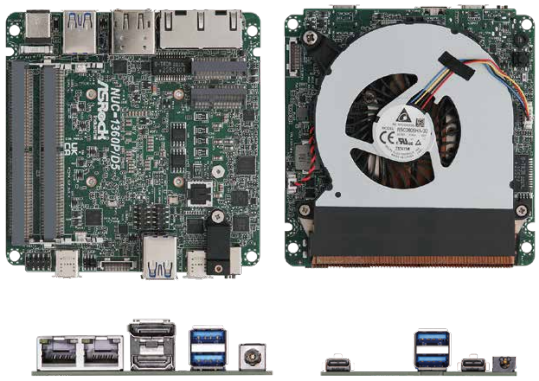
ASRock Industrial

NUC 1300/D5 Motherboard Series

NUC Motherboard



KEY FEATURES

- Intel® 13th Gen (Raptor Lake-P) Core™ Processors
- 2 x 262-pin SO-DIMM up to 32GB DDR5 4800MHz
- 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, 1 x DP 2.1 (from USB4), 2 x DP 1.4a (1 from Type-C)
- TPM 2.0 onboard IC
- Supports Intel® vPro, AMT (NUC-1365UE/D5、NUC-1345UE/D5)
- 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	NUC-1360P/D5 (i7-1360P, 4P+8E) NUC-1340P/D5 (i5-1340P, 4P+8E) NUC-1365UE/D5 (i7-1365UE, 2P+8E) NUC-1345UE/D5 (i5-1345UE, 2P+8E) NUC-1315UE/D5 (i3-1315UE, 2P+4E) NUC-1315U/D5 (i3-1315U, 2P+4E)
Chipset	MCP
BIOS	AMI SPI 256 Mbit

Memory

Technology	Dual Channel DDR5 4800 MHz
Capacity	32GB (16 GB per DIMM)
Socket	2 x 262-pin SO-DIMM

Graphics

Controller	Intel® Iris® Xᵉ Graphics
HDMI	HDMI 2.0b Max resolution up to 4096x2160@60Hz
DisplayPort	DisplayPort 2.1/ 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 ALC256, High Definition Audio.

Ethernet

Controller/ Speed	NUC-1365UE/D5、NUC-1345UE/D5: LAN1: Intel® I226LM with 10/100/1000/2500 Mbps, supports AMT/vPro LAN2: Intel® I226V with 10/100/1000/2500 Mbps NUC-1360P/D5、NUC-1340P/D5、NUC-1315U(E)/D5: Intel® I226LM/V 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 DP 2.1 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%

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660