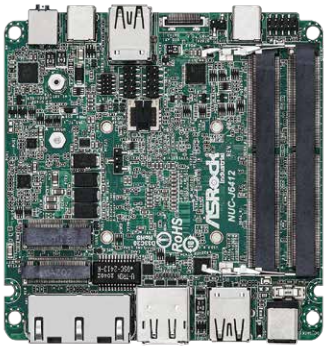
ASRock Industrial

NUC 6000 Motherboard Series

NUC-J6412/NUC-J6426/NUC-N6210/NUC-N6415



KEY FEATURES

NUC Motherboard

- Intel® ElkHart Lake Processors
- 2 x 260-pin SO-DIMM DDR4 3200 MHz, up to 32GB (16GB per DIMM)
- 4 x USB 3.2 Gen2, 4 x USB 2.0, 1 x M.2 Key M, 1 x M.2 Key E, 1 x COM, 1 x SATA3
- 2 x Realtek 1 Gigabit LAN
- Supports Dual display, 1 x HDMI 2.0b, 1 x DP 1.2
- TPM 2.0 onboard IC
- 12V~19V DC-In

SPECIFICATIONS

Form Factor

Dimensions	NUC (4.09-in x 4.02-in x 1.4-in, 10.4 cm x 10.2 cm x 3.6 cm)

Processor System

CPU	Intel® ElkHart Lake Processors NUC-J6412 (J6412, QC, Max Speed up to 2.6GHz, 10W) NUC-J6426 (J6426, QC, Max Speed up to 3.0GHz, 10W) NUC-N6210 (N6210, DC, Max Speed up to 2.6GHz, 6.5W) NUC-N6415 (N6415, QC, Max Speed up to 3.0GHz, 6.5W)
Chipset	MCP
BIOS	AMI SPI 256 Mbit

Memory

Technology	Dual Channel DDR4 3200 MHz
Capacity	32GB (16 GB per DIMM)
Socket	2 x 260-pin SO-DIMM

Graphics

Controller	Intel® Gen 11 Graphics
HDMI	HDMI 2.0b Max resolution up to 4096x2160@60Hz
DisplayPort	DisplayPort 1.2, DP++ Max resolution up to 4096x2160@60Hz
MultiDisplay	Max 2 display

Expansion Slot

M.2	1 x M.2 (Key E, 2230) with PCIe x1, USB 2.0

Audio

Interface	Realtek ALC233, High Definition Audio.

Ethernet

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

Front I/O

USB	1 x USB 3.2 Gen2 (Type-A) 2 x USB 3.2 Gen2 (Type-C, 5V/3A) 1 x USB 2.0
Audio	1 (headphone & microphone jack)

Rear I/O

HDMI	1 x HDMI 2.0b
DisplayPort	1 x DP1.2
Ethernet	2 x 1 Gigabit LAN
USB	1 x USB 2.0 1 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(RS232/422/485)
Audio header	line in /out (share with audio Jack, by BIOS setting)

Storage

M.2	1 x M.2 (KEY M, 2242/2260/2280) with PCIe Gen3 x1 and SATA3 for SSD *M.2 Key M 2280(Supported by bracket)
SATA	1 x SATA3.0 (6.0 Gb/s)

Security

TPM	TPM 2.0 onboard IC

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	0°C ~ 70°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%

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