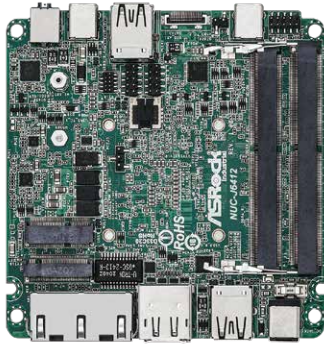




# NUC 6000 Motherboard Series

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



## KEY FEATURES

## NUC Motherboard

- Intel® Elkhart Lake SoC Processors
- 2 x 260-pin SO-DIMM DDR4 3200 MHz, up to 32GB
- 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 onboard
- 12V~19V DC-In

## SPECIFICATIONS

### Form Factor

|            |                         |
|------------|-------------------------|
| Dimensions | NUC (4.09-in x 4.02-in) |
|------------|-------------------------|

### Processor System

|         |  |
|---------|--|
| CPU     | Intel® Elkhart Lake SoC Processors<br>NUC-J6412 (J6412, QC, Max Speed up to 2.6GHz, 10W)<br>NUC-J6426 (J6426, QC, Max Speed up to 3.0GHz, 10W)<br>NUC-N6210 (N6210, DC, Max Speed up to 2.6GHz, 6.5W)<br>NUC-N6415 (N6415, QC, Max Speed up to 3.0GHz, 6.5W) |
| Chipset | SoC  |
| 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<br>Max resolution up to 4096x2160@60Hz             |
| DisplayPort  | DisplayPort 1.2, DP++<br>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)<br>2 x USB 3.2 Gen2 (Type-C)<br>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<br>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)                                |
| TPM          | Infineon SLB9670VQ2.0                                 |
| 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 x1 and SATA3 for SSD<br>*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<br>- AT : Directly PWR on as power input ready<br>- ATX : Press button to PWR on after power input ready |

### Environment

|                    |              |
|--------------------|--------------|
| Operating Temp     | 0°C ~ 60°C   |
| Storage Temp       | -40°C ~ 85°C |
| Operating Humidity | 5% ~ 90%     |
| Storage Humidity   | 5% ~ 90%     |