



## KEY FEATURES

- Intel® 13th Gen (Raptor Lake-P) Core™ Processors
- 2 x 262-pin SO-DIMM up to 32GB DDR5 4800MHz
- 1 x USB4/Thunderbolt™4, 4 x USB3.2 Gen2, 1 x M.2 Key M, 1 x M.2 Key E (Wi-Fi-6E Module), 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)
- Supports Intel® vPro
- TPM 2.0 onboard IC
- 19V, 120/90W Power Adapter
- 110.0 x 117.5 x 47.85mm, Fanned Barebone

## SPECIFICATIONS

### Processor System

|         |                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------|
| CPU     | Intel® 13th Gen (Raptor Lake-P) Core™ Processors<br>NUC BOX-1360P/D5(i7-1360P, 4P+8E)<br>NUC BOX-1340P/D5(i5-1340P, 4P+8E) |
| 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<br>Max resolution up to 4096x2160@60Hz                   |
| DisplayPort  | DisplayPort 2.1/ 1.4a, DP++<br>Max resolution up to 4096x2160@60Hz |
| MultiDisplay | Quad-Display (Included 2 outputs from Type-C)                      |

### Expansion Slot

|           |                                                                                             |
|-----------|---------------------------------------------------------------------------------------------|
| M.2/ WLAN | 1 x Wi-Fi 6E 802.11ax (2.4Gbps) + BT 5.3<br>(M.2 Key E, 2230 PCIe x1, USB 2.0 for Wireless) |
|-----------|---------------------------------------------------------------------------------------------|

### Audio

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

### Ethernet

|                   |                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------|
| Controller/ Speed | LAN1: Intel® I226LM with 10/100/1000/2500 Mbps, supports vPro<br>LAN2: Intel® I226V with 10/100/1000/2500 Mbps |
| Connector         | 2 x RJ-45                                                                                                      |

### Storage

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

### Front I/O

|       |                                                                                                                                                                   |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB   | 1 x USB 3.2 Gen2 (Type A)<br>1 x USB4/Thunderbolt™ 4 (5V/3A, Supports DP 2.1 display output)<br>1 x USB3.2 gen2x2 (Type-C, 5V/3A, 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                         |

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

### Mechanical

|                        |                          |
|------------------------|--------------------------|
| Construction           | Plastic with sheet metal |
| Mounting               | VESA mounting            |
| Dimensions (W x D x H) | 110.0 x 117.5 x 47.85mm  |
| Weight                 | Net Weight:1.0Kg         |

### Others

|                |                                                                                                                         |
|----------------|-------------------------------------------------------------------------------------------------------------------------|
| OS Support     | Windows 10/11                                                                                                           |
| TPM            | TPM 2.0 onboard IC                                                                                                      |
| Certifications | CE, FCC                                                                                                                 |
| Packing List   | 19V/120W Power Adapter (i7-1360P)<br>19V/90W Power Adapter (i5-1340P)<br>1 x Screw Package<br>1 x VESA mounting bracket |