

### NUC 1100 BOX Series NUC BOX-11165G7/ NUC BOX-11135G7/ NUC BOX-1115G4 Fanned BOX

**ASRock**  
— Industrial —



#### Expansion Slot

|           |                                                                                            |
|-----------|--------------------------------------------------------------------------------------------|
| M.2/ WLAN | 1 x Wi-Fi 6 802.11ax (2.4Gbps) + BT 5.0<br>(M.2 Key E, 2230 PCIe x1, USB 2.0 for Wireless) |
|-----------|--------------------------------------------------------------------------------------------|

#### Audio

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

#### Ethernet

|                   |                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------|
| Controller/ Speed | LAN1: Intel® I219V with 10/100/1000 Mbps<br>LAN2: Intel® I225LM with 10/100/1000/2500 Mbps |
| Connector         | 2 x RJ-45                                                                                  |

#### Storage

|      |                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------|
| M.2  | 1 x M.2 (Key M, 2242/2260/2280) with SATA3 and 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>2 x USB 3.2 Gen2 (Type-C, Supports DP1.4 display output)<br>* USB4™ Compliance Test is pending for certification |
| Audio | 1 (headphone & microphone jack)                                                                                                               |

#### Rear I/O

|             |                                        |
|-------------|----------------------------------------|
| HDMI        | 1 x HDMI 2.0a                          |
| DisplayPort | 1 x DP1.4                              |
| Ethernet    | 1 x 1 Gigabit LAN, 1 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 | 1 x 19V/90W Power Adapter                                                                                                 |
| 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                 |
| 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                                                                  |
| TPM            | TPM 2.0 onboard IC                                                          |
| Certifications | CE, FCC Class A                                                             |
| Packing List   | 1 x 19V/90W Power Adapter<br>1 x Screw Package<br>1 x VESA mounting bracket |

## KEY FEATURES

- Intel® 11th Gen (Tiger Lake-UP3) Core™ Processors
- 2 x 260-pin SO-DIMM up to 64GB DDR4 3200 MHz
- 5 x USB 3.2 Gen2, 1 x M.2 Key M, 1 x M.2 Key E (WiFi-6), 1 x SATA3
- 1 x Intel 1 Gigabit LAN, 1 x Intel 2.5 Gigabit LAN
- Supports Quad display, 1 x HDMI 2.0a, 3 x DP 1.4 (2 from Type C)
- TPM 2.0 onboard IC
- 19V/90W Power Adapter
- 110.0 x 117.5 x 47.85mm, Fanned Barebone

## SPECIFICATIONS

### Processor System

|         |                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU     | NUC BOX-1165G7 (I7-1165G7, QC, Max Speed up to 4.7GHz)<br>NUC BOX-1135G7 (I5-1135G7, QC, Max Speed up to 4.2GHz)<br>NUC BOX-1115G4 (I3-1115G4, DC, Max Speed up to 4.1GHz) |
| 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 for i7/i5 CPU<br>Intel® UHD Graphics for i3/Celeron CPU |
| HDMI         | HDMI 2.0a<br>Max resolution up to 4096x2160@60Hz                                 |
| DisplayPort  | DisplayPort 1.4, DP++<br>Max resolution up to 4096x2160@60Hz                     |
| MultiDisplay | Quad-Display (Included 2 outputs from Type-C)                                    |

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