

# Intel® NUC Board Element Intel® NUC Assembly Element

U-Series Technical Specifications

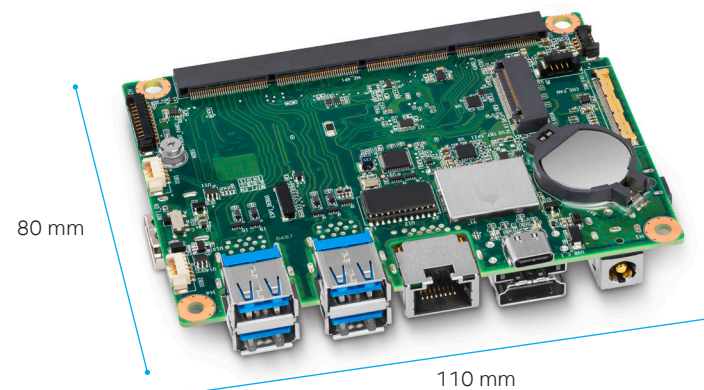


## Built for Intel® NUC Compute Element (U-Series)

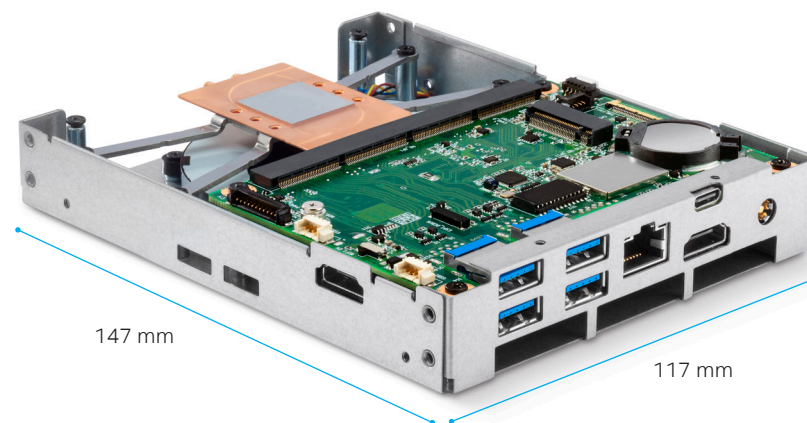
The Intel® NUC Board Element and the Intel® NUC Assembly Element is compatible with the Intel® NUC 11 Compute Element<sup>1</sup> and beyond, making it ideal for creating high-performance, integrated solutions with minimal R&D time. New features include thermal support for up to 28W TDP, faster SSD performance with an m.2 22x80 PCIe4 NVMe Gen 4 slot, a Thunderbolt™ 4 port (via Type C connector), and support for up to four 4K displays at 60 Hz.

### AVAILABLE PRODUCTS

- CMB2GB–Intel® NUC Board
- CMA2GB–Intel® NUC Assembly



Intel® NUC Board Element



Intel® NUC Board Element and Intel® NUC Assembly Element



Intel® NUC 11 Compute Element,<sup>1</sup> Intel® NUC Board Element, and Intel® NUC Assembly Element

# Intel® NUC Board Element Intel® NUC Assembly Element

## U-Series Technical Specifications

For more information visit  
[www.intel.com/nucassets](http://www.intel.com/nucassets)  
[ARK.intel.com](http://ARK.intel.com)

### STORAGE CAPABILITIES

- One m.2 22x80 PCIe x4 NVMe Gen 4 slot

### PERIPHERAL CONNECTIVITY

- 10/100/1000 Mbps Ethernet w/ dual LEDs
- Four USB 3.2 Gen 2 type A ports
- One Thunderbolt™ 4 (incl. DP and USB 4) via back panel type C connector
- Two internal USB 2.0 headers
- Internal eDP header
- Dual HDMI 2.0b (1 external, 1 internal)
- Support for up to quad 4k@60 Hz displays (dual HDMI 2.0b, DP via type C, eDP)

### AUDIO

- Up to 7.1 multichannel digital audio via HDMI or DP (DP via type C)

### FRONT PANEL HEADER

- One front panel control internal header
- Vcc5/1A
- Power Switch, Reset Switch, Power LED, Storage LED

### CMB2GB BOARD SIZE

- 4.33" x 3.14"
- 110 mm x 80 mm

### CARRIER BOARD CAPABILITIES

- DC power input external jack
- DC power input internal 4-pin header
- DC transient voltage suppression
- Two PWM internal fan headers (Compute Element fan, System fan)
- Three Year Product Life Cycle
- Three Year Warranty

### INTEL NUC ASSEMBLY

- Thermal solution support for 28W CPU TDP

### CMA2GB ASSEMBLY SIZE

- 4.60" x 5.78" x 0.98"
- 117 mm x 147 mm x 25 mm

### EXTERNAL AMBIENT OPERATING TEMPERATURE\*

- 0° C to +50° C

### STORAGE TEMPERATURE

- -20° C to +40° C

### SAFETY REGULATIONS AND STANDARDS

- IEC/EN/UL 62368-1

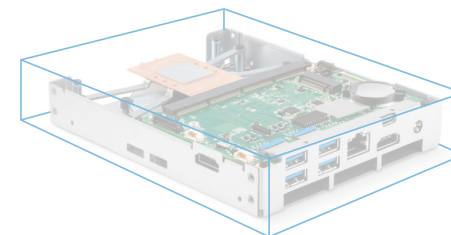
### EMC/RF REGULATIONS AND STANDARDS

- FCC Part 15B
- CISPR/EN 55032/55024
- ICES-003
- VCCI 32
- BSMI CNS 13438
- KN 32/35

### ENVIRONMENTAL REGULATIONS

- EU RoHS
- China RoHS
- Taiwan BSMI RoHS
- REACH

\* External ambient temperature refers to the temperature at any location measured at 25 mm around the CMA2GB assembly, as illustrated by the blue lines around the CMA2GB assembly.



## Requires an 11th Gen (and future) Intel NUC Compute Element (U-Series)



### INTEL NUC 11 COMPUTE ELEMENT 11th Generation Processor options:

- Intel® Core™ i7 vPro® processor (CM11EBv7)
- Intel® Core™ i7 processor (CM11EBi7)
- Intel® Core™ i5 vPro® processor (CM11EBv5)
- Intel® Core™ i5 processor (CM11EBi5)
- Intel® Core™ i3 processor (CM11EBi3)
- Intel® Celeron® processor (CM11EBC)

### GRAPHICS

- Intel® Iris® Xe Graphics (i7 vPro, i7, i5 vPro, & i5 SKUs)
- Intel® UHD Graphics (i3 & Celeron SKUs)

- Also compatible with future generations of Intel® NUC Compute Elements

<sup>1</sup> Intel® NUC 11 Compute Element sold separately.