Intel® NUC Product Catalog

November 2022

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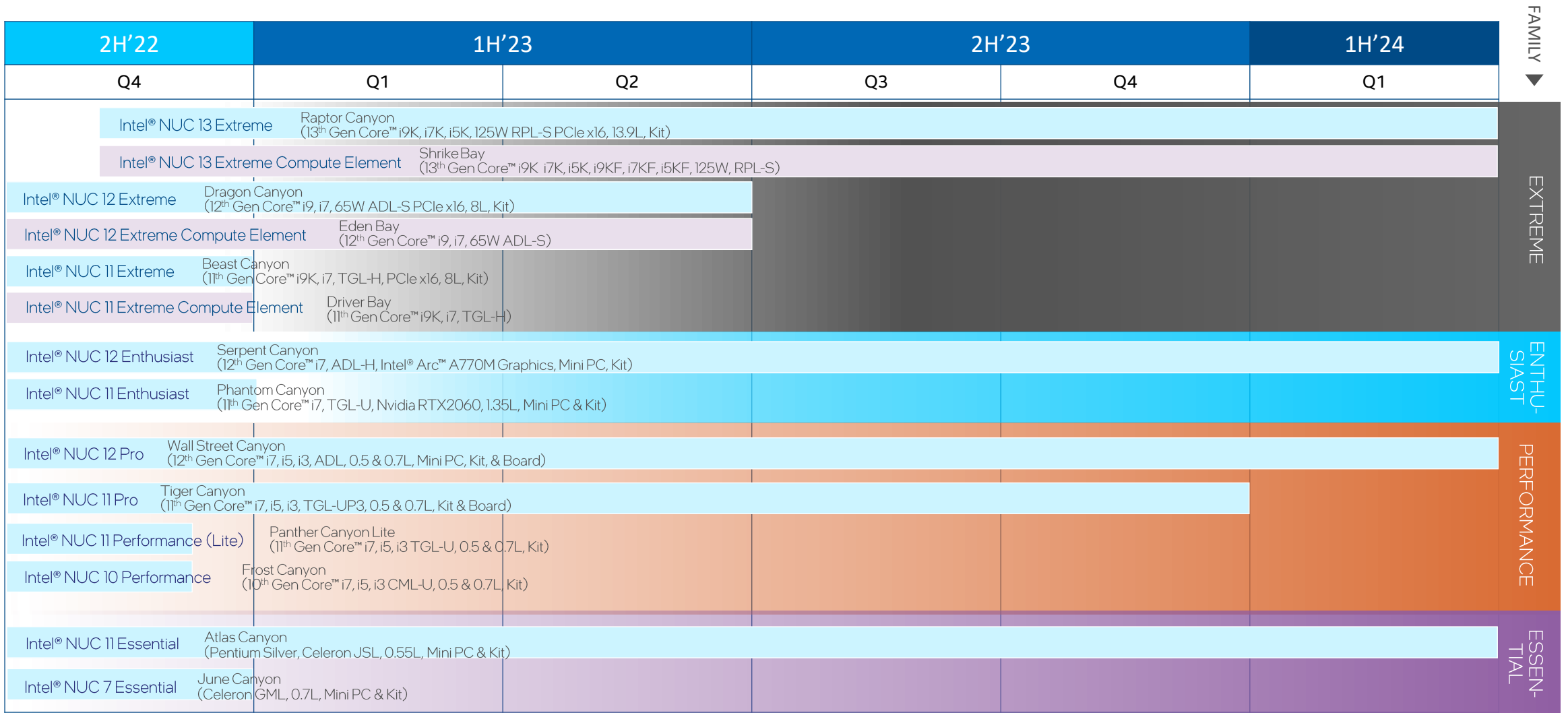
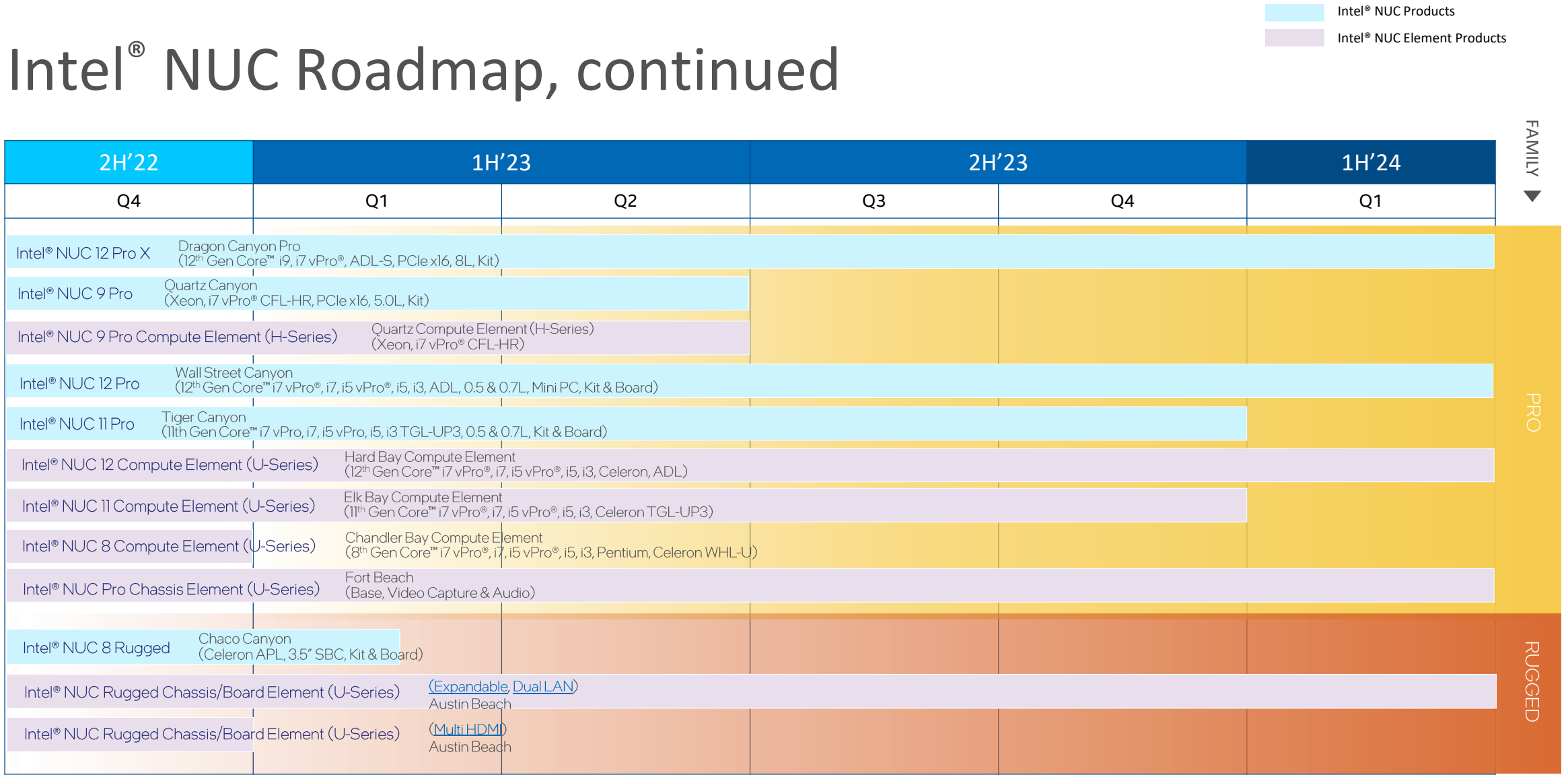
- Intel® NUC Performance Laptop Kit
- Intel® NUC Pro Laptop Kit

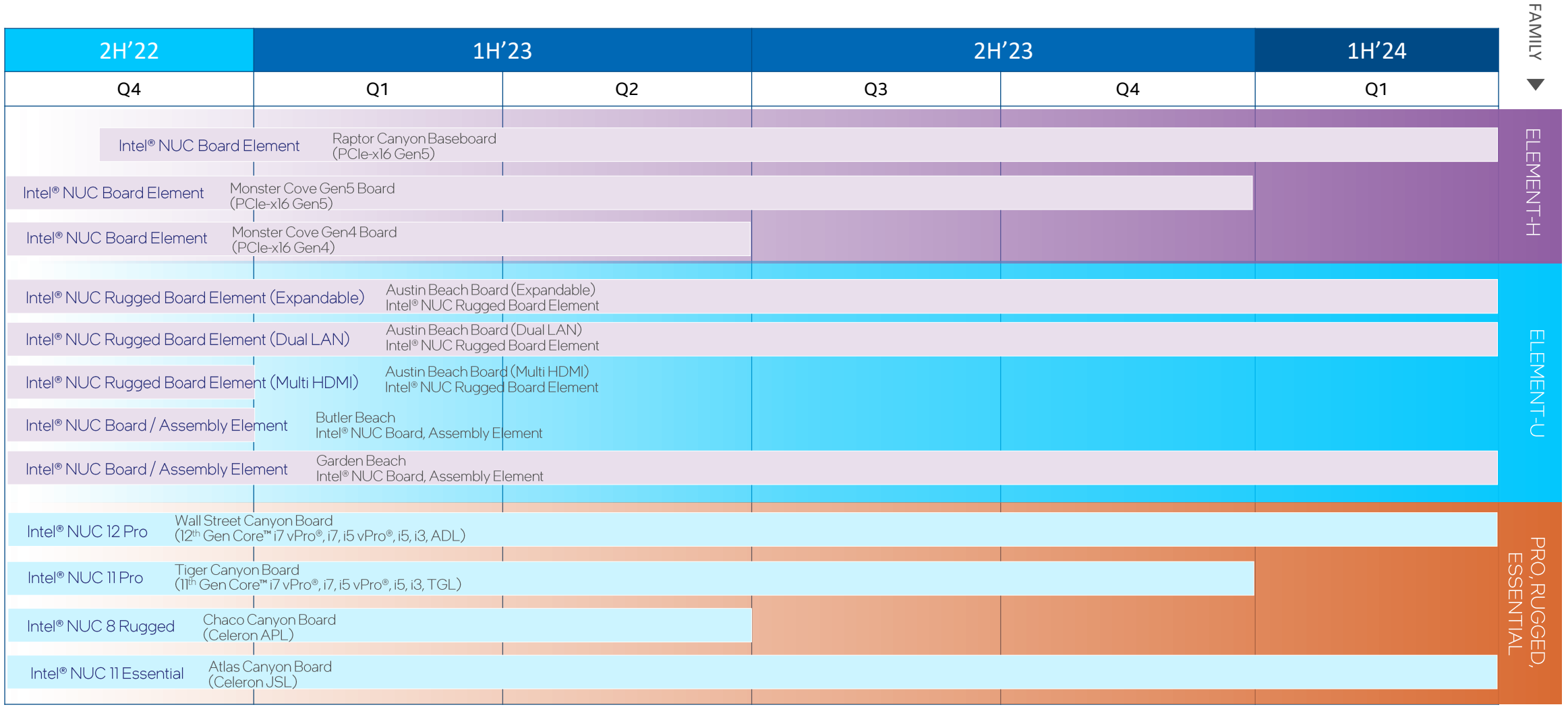
Intel® NUC Roadmap



Intel® NUC Roadmap, continued

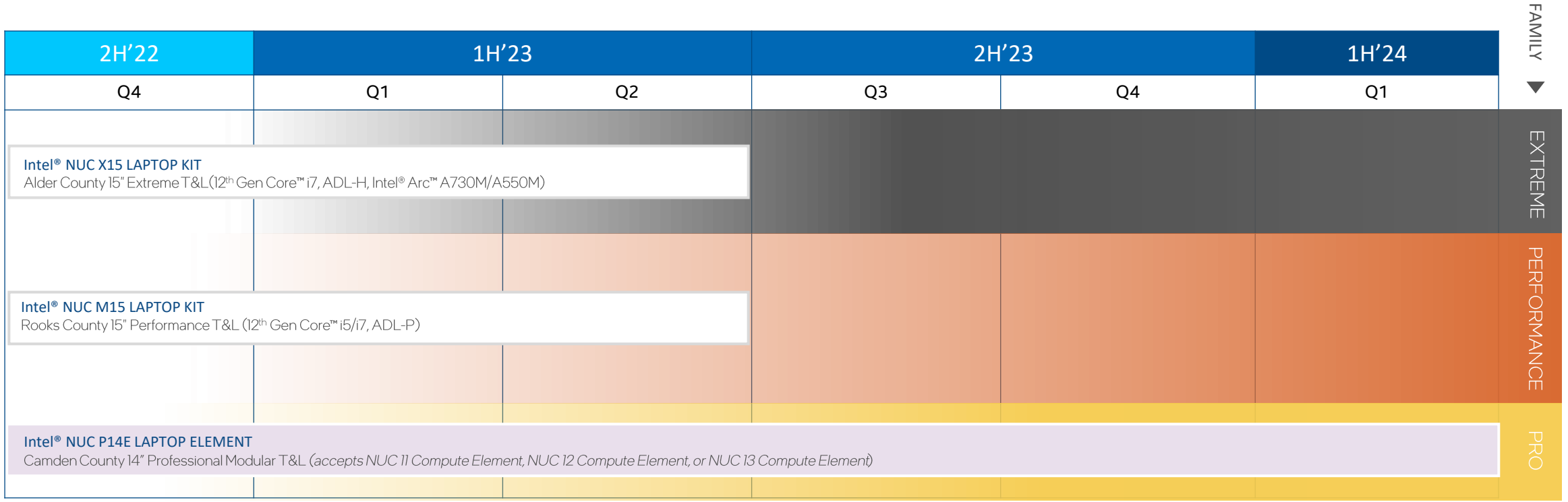


Intel® NUC Board Roadmap



Intel® NUC Laptop Kit Roadmap

Intel® NUC Element Products



"Note: Left Edge indicates PRQ"

Intel® NUC Element

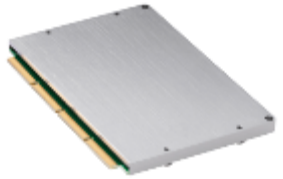
The Next Evolution of Modular Computing

A Pluggable System-On-Module for U-series and H-series CPU Usages

- Just-in-time system building
- Lower inventory costs
- Custom solution with minimal R&D
- Easy upgrades and service
- Three-Year product availability and limited warranty
- Five-Year product availability for selected Icon Bay SKUs and Three-Year limited warranty

Choice of Processors:

- U-Series: Intel® Core™ i7/i5/i3 processors; Intel® Core™ vPro® i7/i5 processors; Pentium and Celeron processors
- H-Series: Intel® Xeon® processors; Intel® Core™ i9/i7 processors; Intel® Core™ vPro® i7/i5 processors



U-Series Target Usage Scenarios

Smart Screens
(Digital Signage, Kiosks)

Modular Compute
(AIO, Laptops, Mini PCs)

H-Series Target Usage Scenarios

Gaming
(AAA Gaming, Streaming)

Workstation
(CAD, Content Creation)

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Intel® NUC Element U Board & Chassis Compatibility

		Element U		
		Chandler Bay	Elk Bay	Hard Bay
Carrier Board/Chassis	Austin Beach - *Expandable*	YES[1]		
	Austin Beach - *Dual LAN*			
	Austin Beach - *Multi HDMI*	YES[1]		NO
	Butler Beach			YES[1]
	Fort Beach	YES[1]	YES	
	Garden Beach	NO	YES[2]	
	Camden County			

[1] Carrier Board or Element limited to 15W TDP
[2] Element and/or Carrier Board/Chassis supports TBT

Intel® NUC 12 Compute Element (U-Series)

"Hard Bay"

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Click here for Assets

12th Generation Intel® Core™ i7-1265U
Intel® Iris® Xᵉ Graphics, Intel vPro® Technology
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 12W ~ 28W TDP
(P-Cores: Up to 4.8GHz Turbo; E-Cores: Up to 3.6GHz Turbo)

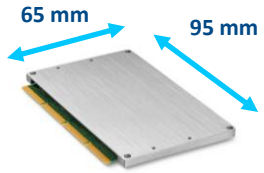
12th Generation Intel® Core™ i7-1255U
Intel® Iris® Xᵉ Graphics
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 12W ~ 28W TDP
(P-Cores: Up to 4.7GHz Turbo; E-Cores: Up to 3.5GHz Turbo)

12th Generation Intel® Core™ i5-1245U
Intel® Iris® Xᵉ Graphics, Intel vPro® Technology
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 12W ~ 28W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i5-1235U
Intel® Iris® Xᵉ Graphics
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 12W ~ 28W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i3-1215U
Intel® UHD Graphics
6 Processor Cores (2P+4E), 8 threads, 10MB L3 Cache, 12W ~ 28W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

Intel® Celeron® 7305
Intel® UHD Graphics
5 Processor Cores (1P+4E), 5 threads, 8MB L3 Cache, 12W ~ 15W TDP



- **Intel® Wi-Fi 6E AX211** soldered-down, 802.11ax 2x2 2.4Gbps **w/ 6GHz** + Bluetooth® 5.2
- **4GB to 32GB** soldered-down **LPDDR5** memory (2 RAM configs per CPU)
  (dual-channel memory on all SKUs except Celeron 4GB which is single-channel)
- Discrete TPM 2.0 device (on SKUs with Intel vPro® only)
- Compatible with Windows 11, Windows 10
- Compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite** (select carriers only)
- I/O supported by the card-edge consolidated connector:
  - 4x USB 3.2 Gen2
  - 3x USB 2.0
  - 4x display interfaces
    - DDI-A: **configurable** as eDP 1.4b / **DP 1.4a / HDMI 2.1 TMDS Compatible (4k@60Hz)**
    - DDI-B: configurable as DP 1.4a / HDMI 2.1 TMDS Compatible (4k@60Hz)
    - DDI-TCP1: configurable as DP 1.4a / HDMI 2.1 TMDS Compatible (4k@60Hz)
    - TCP2: configurable as Type C port (DDI/TBT/USB4)
  - 1x GbE PHY
  - 1x PCIe x4/SATA
  - 1x PCIe x4 (Gen4)
  - 1x PCIe x1
  - 1x HD Audio
  - I2C, ISH I2C, ISH GPIO
  - eSPI (EC interface)
- Support for up to **quad 4k@60Hz displays** (on SKUs with Intel® Core™ processors)
- Generation agnostic heat-spreader thermal interface
- Supports integration in to both stationary and mobile system designs
- **Module dimensions: 95 x 65 x 6 mm**
- No moving parts
- **Qualified for 24x7 operation**
- **Three-Year product availability**
- **Three-Year limited warranty**

Intel® NUC 12 Compute Element (U-Series)

Hard Bay Compute Element Ordering Codes			
Product Code	MM#	Processor	RAM
BELM12HBv732W	99ANMH	12th Gen vPro® Core™ i7-1265U	32GB LPDDR5
BELM12HBv716W	99ANN6	12th Gen vPro® Core™ i7-1265U	16GB LPDDR5
BELM12HBi732W	99ANN7	12th Gen Core™ i7-1255U	32GB LPDDR5
BELM12HBi716W	99ANNC	12th Gen Core™ i7-1255U	16GB LPDDR5
BELM12HBv516W	99ANNF	12th Gen vPro® Core™ i5-1245U	16GB LPDDR5
BELM12HBv508W	99ANNG	12th Gen vPro® Core™ i5-1245U	8GB LPDDR5
BELM12HBi516W	99ANNH	12th Gen Core™ i5-1235U	16GB LPDDR5
BELM12HBi508W	99ANNJ	12th Gen Core™ i5-1235U	8GB LPDDR5
BELM12HBi316W	99ANNM	12th Gen Core™ i3-1215U	16GB LPDDR5
BELM12HBi308W	99ANNN	12th Gen Core™ i3-1215U	8GB LPDDR5
BELM12HBCE08W	99ANNP	Celeron 7305	8GB LPDDR5
BELM12HBCE04W	99ANNR	Celeron 7305	4GB LPDDR5

Intel® NUC 11 Compute Element (U-Series)

"Elk Bay"

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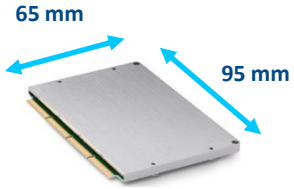
- **11th Generation Intel® Core™ i7-1185G7**
  Intel® Iris™ Xe Graphics, Intel vPro® Technology
  3.0GHz@28W ~ 1.2GHz@15W, up to 4.8GHz Turbo
  4 Cores, 8 Threads, 12MB L3 Cache, 4267MT/s LPDDR4x
- **11th Generation Intel® Core™ i7-1165G7**
  Intel® Iris™ Xe Graphics
  2.8GHz@28W ~ 1.2GHz@15W, up to 4.7GHz Turbo
  4 Cores, 8 Threads, 12MB L3 Cache, 4267MT/s LPDDR4x
- **11th Generation Intel® Core™ i5-1145G7**
  Intel® Iris™ Xe Graphics, Intel vPro® Technology
  2.6GHz@28W ~ 1.1GHz@15W, up to 4.4GHz Turbo
  4 Cores, 8 Threads, 8MB L3 Cache, 4267MT/s LPDDR4x
- **11th Generation Intel® Core™ i5-1135G7**
  Intel® Iris™ Xe Graphics
  2.4GHz@28W ~ 0.9GHz@15W, up to 4.2GHz Turbo
  4 Cores, 8 Threads, 8MB L3 Cache, 4267MT/s LPDDR4x
- **11th Generation Intel® Core™ i3-1115G4**
  Intel® UHD Graphics
  3.0GHz@28W ~ 1.7GHz@15W, up to 4.1GHz Turbo
  2 Cores, 4 Threads, 6MB L3 Cache, 3733MT/s LPDDR4x
- **Intel® Celeron® 6305**
  Intel® UHD Graphics
  1.8GHz@15W
  2 Cores, 2 Threads, 4MB L3 Cache, 3733MT/s LPDDR4x



- **Intel® Wi-Fi 6 AX201** soldered-down, 802.11ax 2x2 **2.4Gbps** + **Bluetooth® 5.2**
- **4GB to 16GB** soldered-down, dual-channel **LPDDR4X** memory on Core™ SKUs
- Discrete TPM 2.0 device (on SKUs with Intel vPro® only)
- Windows 11, Windows 10 & Linux operating systems supported
- **Supported by Intel® NUC Pro Software Suite** (select carriers only)
- I/O supported by the card-edge consolidated connector:
  - 4x USB 3.2 Gen2
  - 3x USB 2.0
  - 2x DDI (configurable as **DP 1.4a or HDMI 2.0b**)
  - 1x **Type C** (**DDI/TBT/USB4**)
  - 1x eDP 1.4b
  - 1x GbE PHY
  - 1x PCIe x4/SATA
  - 1x PCIe x4 (**Gen4**)
  - 1x PCIe x1
  - 1x HD Audio
  - eSPI (EC interface)
- Support for up to **quad 4k@60Hz displays** (triple DDI plus eDP interfaces) on SKUs with Intel® Core™ processors
- Generation agnostic heat-spreader thermal interface
- Supports integration in to both stationary and mobile system designs
- **Module dimensions: 95 x 65 x 6 mm**
- No moving parts
- **Qualified for 24x7 operation**
- **Three-Year product availability**
- **Three-Year limited warranty**

Intel® NUC 11 Compute Element (U-Series)

Elk Bay Compute Element Ordering Codes			
Product Code	MM#	Processor	RAM
BKCM11EBv716W	99A8FM	11th Gen vPro® Core™ i7-1185G7	16GB LPDDR4X
BKCM11EBi716W	99A8FP	11th Gen Core™ i7-1165G7	16GB LPDDR4X
BKCM11EBv58W	99A8FR	11th Gen vPro® Core™ i5-1145G7	8GB LPDDR4X
BKCM11EBi58W	99A8FT	11th Gen Core™ i5-1135G7	8GB LPDDR4X
BKCM11EBi38W	99A8FV	11th Gen Core™ i3-1115G4	8GB LPDDR4X
BKCM11EBC4W	99A8FW	Celeron 6305	4GB LPDDR4X

Intel® NUC 8 Compute Element (U-Series)

"Chandler Bay"

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8th Generation Intel® Core™ i7-8665U (CM8v7CB)
1.9 GHz – 4.8 GHz Turbo, 4 Core, 8 Thread, 8MB Cache, **15W**
Intel vPro® Technology, Intel® AMT, TPM 2.0
Intel® UHD Graphics 620, 300 MHz - 1150 MHz

8th Generation Intel® Core™ i7-8565U (CM8i7CB)
1.8 GHz – 4.6 GHz Turbo, 4 Core, 8 Thread, 8MB Cache, **15W**
Intel® UHD Graphics 620, 300 MHz - 1150 MHz

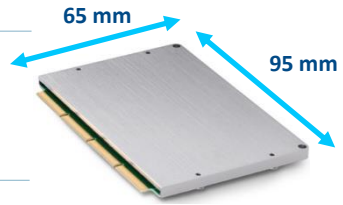
8th Generation Intel® Core™ i5-8365U (CM8v5CB)
1.6 GHz – 4.1 GHz Turbo, 4 Core, 8 Thread, 6MB Cache, **15W**
Intel vPro® Technology, Intel® AMT, TPM 2.0
Intel® UHD Graphics 620, 300 MHz - 1100 MHz

8th Generation Intel® Core™ i5-8265U (CM8i5CB)
1.6 GHz – 3.9 GHz Turbo, 4 Core, 8 Thread, 6MB Cache, **15W**
Intel® UHD Graphics 620, 300 MHz - 1100 MHz

8th Generation Intel® Core™ i3-8145U (CM8i3CB)
2.1 GHz – 3.9 GHz Turbo, 2 Core, 4 Thread, 4MB Cache, **15W**
Intel® UHD Graphics 620, 300 MHz - 1000 MHz

Intel® Pentium® Gold 5405U (CM8PCB)
2.3 GHz, 2 Core, 4 Thread, 2MB Cache, **15W**
Intel® UHD Graphics 610, 300 MHz - 950 MHz

Intel® Celeron® 4305U (CM8CCB)
2.2 GHz, 2 Core, 2 Thread, 2MB Cache, **15W**
Intel® UHD Graphics 610, 300 MHz - 900 MHz



- **Intel® Wireless-AC 9560** soldered-down, 802.11ac 2x2 1.73Gbps + Bluetooth® 5.1
- **4GB to 8GB** soldered-down, dual-channel memory
- Discrete TPM 2.0 device (on SKUs with Intel vPro® Technology only)
- **Select SKUs with 64GB** eMMC Storage
- Windows 11, Windows 10 & Linux operating systems supported
- **Supported by Intel® NUC Pro Software Suite** (select carriers only)
- I/O supported by the card-edge consolidated connector:
  - 4x USB 3.2 Gen2
  - 3x USB 2.0
  - 2x DDI (configurable as DP/HDMI)
  - 1x eDP
  - 1x GbE PHY
  - 1x PCIe x4/SATA
  - 1x PCIe x4
  - 1x PCIe x1
  - 1x HD Audio
  - eSPI (EC interface)
- Support for up to triple 4k@60Hz displays (2x DDI plus eDP interfaces)
- Generation agnostic heat-spreader thermal interface
- Supports integration into both stationary and mobile system designs
- **Module dimensions: 95 x 65 x 6 mm**
- No moving parts
- **Qualified for 24x7 operation**
- **Three-Year product availability**
- **Three-Year limited warranty**

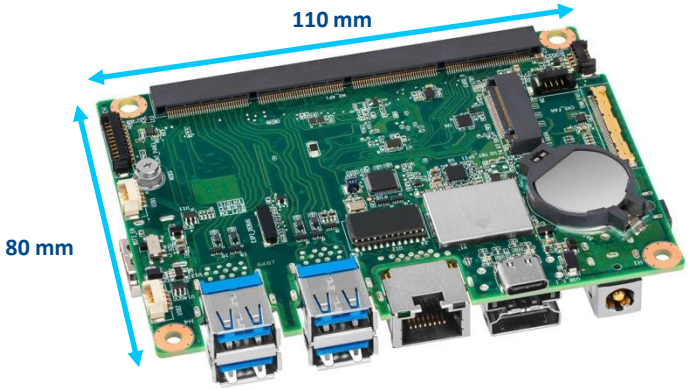
Intel® NUC 8 Compute Element (U-Series)

Chandler Bay Compute Element Ordering Codes				
Product Code	MM#	Processor	RAM	Storage
BKCM8v7CB8N	999MCK	8th Gen vPro® Core™ i7-8665U	8GB LPDDR3	None
BKCM8i7CB8N	999MCL	8th Gen Core™ i7-8565U	8GB LPDDR3	None
BKCM8v5CB8N	999M05	8th Gen vPro® Core™ i5-8365U	8GB LPDDR3	None
BKCM8i5CB8N	999M06	8th Gen Core™ i5-8265U	8GB LPDDR3	None
BKCM8i3CB4N	999M07	8th Gen Core™ i3-8145U	4GB LPDDR3	None
BKCM8PCB4R	999M08	Pentium Gold 5405U	4GB LPDDR3	64GB eMMC
BKCM8CCB4R	999M09	Celeron 4305U	4GB LPDDR3	64GB eMMC

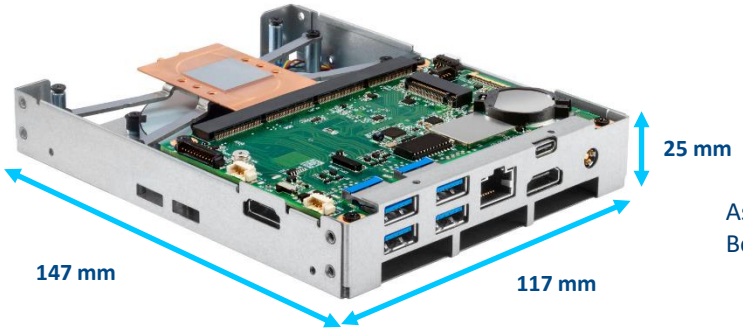
Intel® NUC Board/Assembly Element (U-series)

Support for Intel® NUC Compute Element

All Elk Bay, Hard Bay, and Icon Bay Compute Elements are supported in Garden Beach.



Board Element



Assembly Element:
Board with Thermal Solution

- **Requires 11th Gen (and future) Intel® NUC Compute Element**
- The receiving connector supports the following Intel® NUC Compute Elements:
  - All SKUs of Elk Bay - Intel® NUC 11 Compute Element (U-Series)
  - All SKUs of Hard Bay - Intel® NUC 12 Compute Element (U-Series)
  - All SKUs of Icon Bay - Intel® NUC 13 Compute Element (U-Series)
- Included carrier board connectors:
  - 4x USB 3.2 Gen2 type A
  - 2x USB 2.0 internal headers
  - 1x front panel control internal header
  - **1x Thunderbolt™ 4 (incl. DP and USB4) via back panel type C connector**
  - 2x **HDMI 2.0b** (1 external, 1 internal)
  - 1x eDP internal header
  - 1x RJ-45 Gigabit Ethernet port w/ dual LEDs
  - 1x M.2 22x80 **PCIe x4 Gen4** slot
  - 2x PWM internal fan headers (Compute Element fan, System fan)
  - DC power input external jack
  - DC power input internal 4-pin header
- Support for up to **quad 4k@60Hz** displays (dual HDMI 2.0b, plus DP via type C, eDP)
- Thermal solution support for **28W CPU TDP**
- Same board dimensions as original Butler Beach board: 110 x 80 mm
- Same full assembly dimensions as original Butler Beach assembly: 117 x 147 x 25 mm
- **Qualified for 24x7 operation**
- **Three-Year product availability; Three-Year limited warranty**

Available SKUs	Assembly	I/O Board

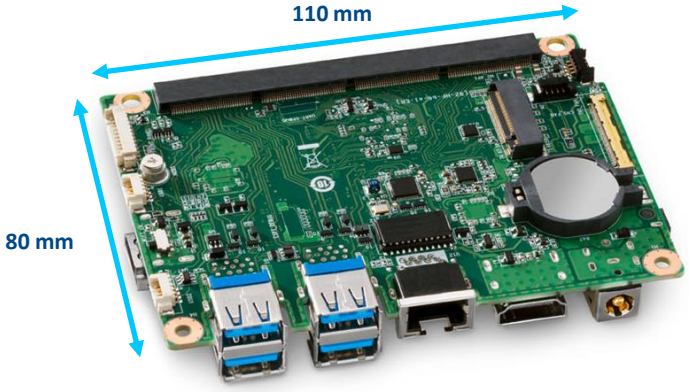
Intel® NUC Board/Assembly Element (U-series)

Garden Beach Board/Assembly Ordering Codes		
Product Code	MM#	Description
BKCMB2GB	99A8G1	Carrier Board only
BKCMA2GB	99A8G2	Carrier Board with Thermal Solution

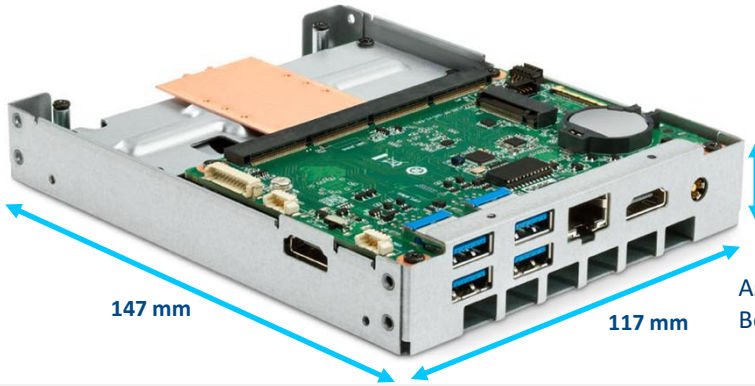
Intel® NUC Board/Assembly Element (U-series)

Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay, Hard Bay, and Icon Bay Compute Elements are supported in Butler Beach.



Board Element



Assembly Element:
Board with Thermal Solution

- **Requires Intel® NUC Compute Element**
- The receiving connector supports the following Intel® NUC Compute Elements:
  - All SKUs of Chandler Bay - Intel® NUC 8 Compute Element (U-Series)
  - All SKUs of Elk Bay - Intel® NUC 11 Compute Element (U-Series)
  - [1]All SKUs of Hard Bay - Intel® NUC 12 Compute Element (U-Series)
  - [1]All SKUs of Icon Bay - Intel® NUC 13 Compute Element (U-Series)
- Included carrier board connectors:
  - 4x USB 3.2 Gen2 type A
  - 2x USB 2.0 internal headers
  - 1x front panel control internal header
  - 2x HDMI 2.0a (1 external, **1 internal**)
  - 1x **eDP internal header**
  - 1x RJ-45 Gigabit Ethernet port w/ dual LEDs
  - 1x M.2 22x80 **PCIe x4 w/SATA** slot
  - 2x PWM internal fan headers (Compute Element fan, System fan)
  - DC power input external jack
  - DC power input internal 4-pin header
- Support for up to triple 4k@60Hz displays (dual HDMI 2.0a plus eDP connectors)
- Thermal solution support for **15W CPU TDP**
- Board dimensions: 110 x 80 mm
- Full assembly dimensions: 117 x 147 x 25 mm
- **Qualified for 24x7 operation**
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	Assembly	I/O Board

[1] Carrier Board or Element limited to 15W TDP

Intel® NUC Board/Assembly Element (U-series)

Butler Beach Board/Assembly Ordering Codes		
Product Code	MM#	Description
BKCMB1BB	999M8T	Carrier Board only
BKCMA1BB	999M9F	Carrier Board with Thermal Solution

Intel® NUC Rugged Board Element (U-series)

"Austin Beach Expandable" Board

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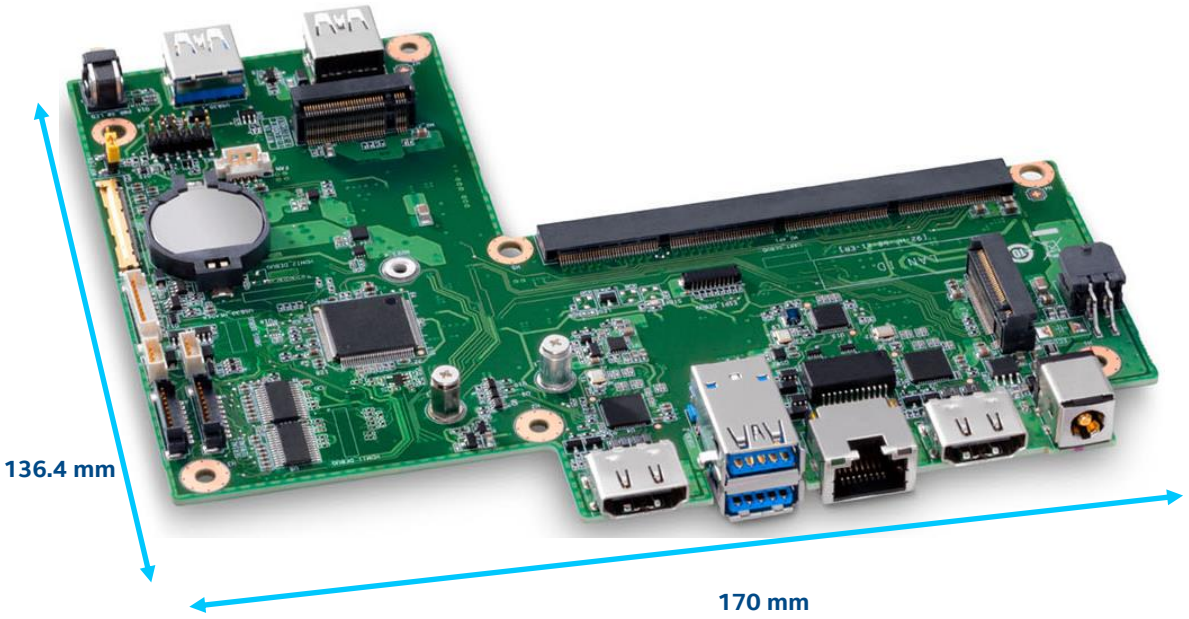
Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay, Hard Bay, and Icon Bay Compute Elements are supported in the Austin Beach Expandable board.



- **Requires Intel® NUC Compute Element**
- Design implementation: **Expandable** (CMB1ABA)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Two HDMI 2.0a** ports with **built-in CEC**, plus internal **4-lane eDP** interface
  - Support for dual 4k@60Hz via HDMI 2.0a, plus additional 4k@60 via eDP
- **Intel® Optane™ Memory H10 with Solid State Storage** ready
- **Intel® i219-LM** Gigabit Ethernet port
- 1x front and 2x rear **USB 3.2 Gen2** type A ports, 1x internal USB 3.2 Gen 1 header
- 1x front type A and 2x internal USB 2.0 headers
- 2x **RS232** serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack, internal 2x2 power connector
- Board dimensions: 170 x 136.4 mm
- Microsoft Windows 10, Windows 10 IOT Enterprise, compatible with various Linux distros
- 5-pack bulk packaging
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	● Chassis & Board	● Board

Intel® NUC Rugged Board Element (U-series)

"Austin Beach Dual LAN" Board

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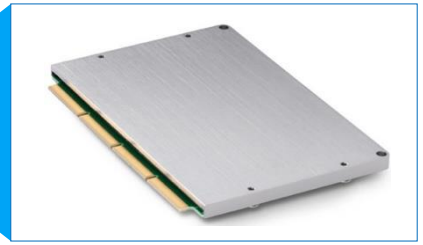
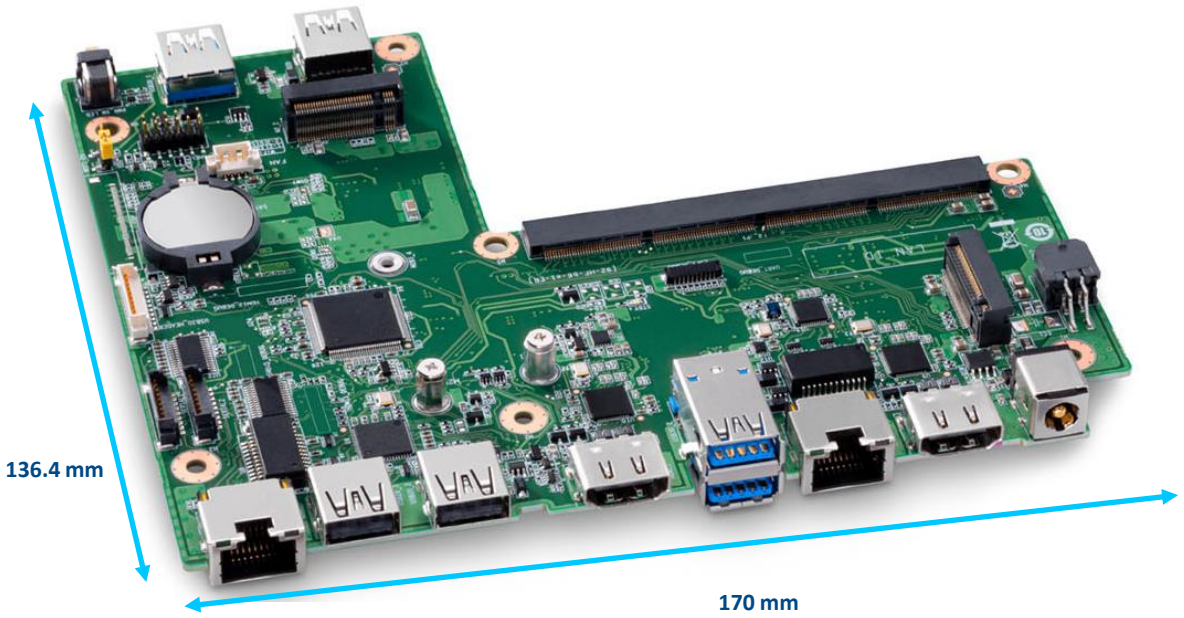
Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay, Hard Bay, and Icon Bay Compute Elements are supported in the Austin Beach Dual LAN board.





- **Requires Intel® NUC Compute Element**
- Design implementation: **Dual LAN** (CMB1ABB)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Two HDMI 2.0a** ports with **built-in CEC**
  - Support for dual 4k@60Hz via HDMI 2.0a
- **Intel® Optane™ Memory H10 with Solid State Storage** ready
- **2x Gigabit Ethernet ports: Intel® i219-LM and Intel® i211-AT**
- 1x front and 2x rear **USB 3.2 Gen2** type A ports, 1x internal USB 3.2 Gen 1 header
- 1x front and 2x rear type A USB 2.0 ports
- 2x **RS232** serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack, internal 2x2 power connector
- Board dimensions: 170 x 136.4 mm
- Microsoft Windows 10, Windows 10 IOT Enterprise, compatible with various Linux distros
- 5-pack bulk packaging
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	● Chassis & Board	● Board

Intel® NUC Rugged Board Element (U-series)

"Austin Beach Multi HDMI" Board

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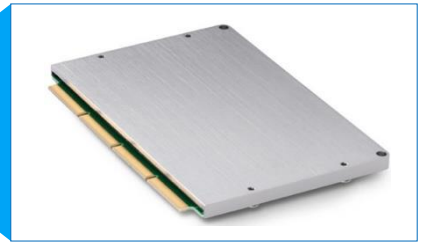
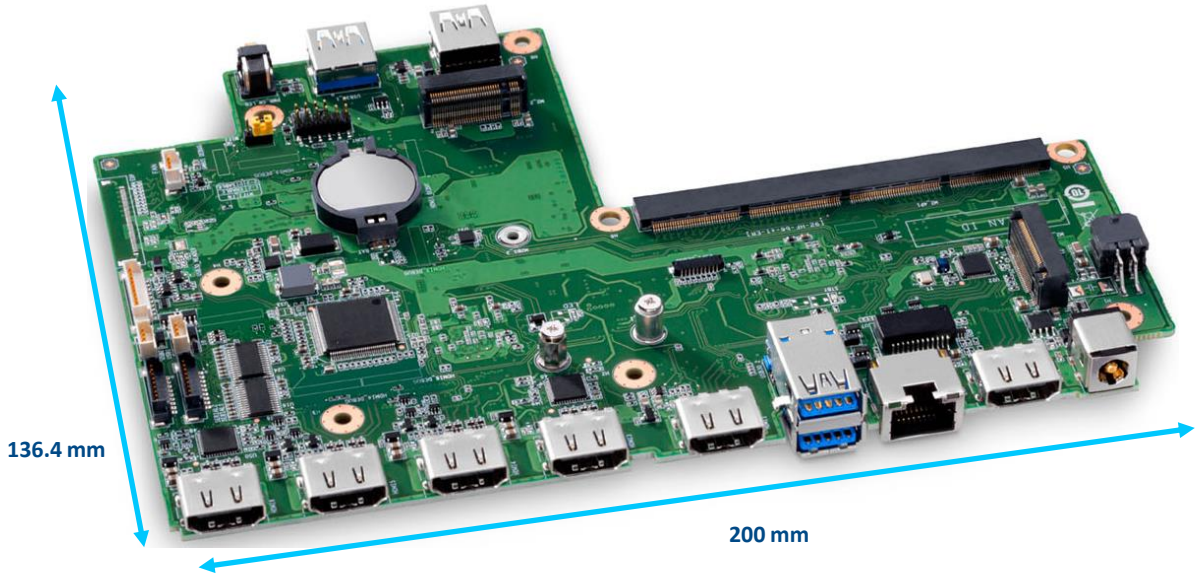
Support for Intel® NUC Compute Element

All Chandler Bay and Elk Bay Compute Elements are supported in the Austin Beach Multi HDMI board.





- **Requires Intel® NUC Compute Element**
- Design implementation: **Multi HDMI** (CMB1ABC)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Six HDMI ports (2x HDMI 2.0a, 4x HDMI 1.4)** with **built-in CEC for all ports**
  - Support for dual 4k@60Hz or dual triple-wide 5760x1080 screens
- **Intel® Optane™ Memory H10 with Solid State Storage** ready
- **Intel® i219-LM** Gigabit Ethernet port
- 1x front and 2x rear **USB 3.2 Gen2** type A ports, 1x internal USB 3.2 Gen 1 header
- 1x front type A and 2x internal USB 2.0 headers
- 2x **RS232** serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack, internal 2x2 power connector
- Board dimensions: 200 x 136.4 mm
- Microsoft Windows 10, Windows 10 IOT Enterprise, compatible with various Linux distros
- 5-pack bulk packaging
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	● Chassis & Board	● Board

Intel® NUC Rugged Board Element (U-series)

Austin Beach Boards Ordering Codes		
Product Code	MM#	Description
BKCMB1ABA	999M8C	Carrier Board: "Expandable"
BKCMB1ABB	999M8F	Carrier Board: "Dual LAN"
BKCMB1ABC	999M8M	Carrier Board: "Multi HDMI"

Intel® NUC 13 Extreme Compute Element (H-series)

"Shrike Bay" Compute Element

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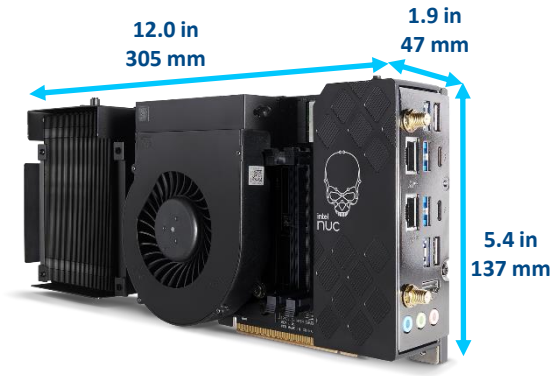
Intel® Core™ i9-13900K
Up to 5.8 GHz Intel® Thermal Velocity Boost, 125W unlocked
24 cores (8P+16E), 32 threads, 36MB Intel® Smart Cache
Intel® UHD Graphics 770

Intel® Core™ i7-13700K
Up to 5.4 GHz Intel® Turbo Boost Max 3.0, 125W unlocked
16 cores (8P+8E cores), 24 threads, 30MB Intel® Smart Cache
Intel® UHD Graphics 770

Intel® Core™ i5-13600K
Up to 5.1 GHz Max Turbo, 125W unlocked
14 cores (6P+8E cores), 20 threads, 24MB Intel® Smart Cache
Intel® UHD Graphics 770



- **Shrike Bay Compute Element**:
  - **125W+ K-SKU support, with heatsink and blower included**
  - **PCIe 5.0 x16 Gold Finger**
  - **Slot powered "cableless" design**
  - **Auxiliary Extension x4** support signals:
    - 2x SATA III, standard desktop FP, 2x USB 3.0, 2x USB 2.0, 2x 12V PWM fan signals, 1x PCIe
  - **Dual-channel DDR5 SODIMM slots, 64GB** max
  - **3x M.2 key M slots**: 80mm **CPU-attached PCIe x4 Gen4** NVMe, 2x 42/80mm PCH-attached PCIe x4 Gen4 NVMe or SATA3 SSD (SATA3 limited to 1), RAID-0 and RAID-1 capable
  - **2x Thunderbolt™ 4 / USB4** Type-C ports
  - **HDMI 2.1 TMDS compatible** connector (up to 4K60)
  - **Supports up to 3x 4K displays** (Intel® UHD Graphics)
  - **Intel® 2.5 GbE LAN (i226-V) or 10 GbE LAN (AQC113) port**
  - **Intel® Killer™ Wi-Fi 6E AX1690i**, 802.11ax 2x2 ~3.0Gbps **w/ 6GHz + Bluetooth® v5.2** (5.3 capable) in M.2 2230 slot, dual external antennas
  - **6x USB 3.2 Gen2** Type-A connectors (rear)
  - Up to 7.1 multichannel digital audio via HDMI or DisplayPort (Type-C) signals
  - Analog audio with discrete Mic-in, Line-in, Speaker-out, FP audio Header
  - 1x USB 3.2 Gen2x2 Type-C Key A header
- Microsoft Windows* 11 logo'd
- Individual bulk packaging
- **Three-Year limited warranty**

Available SKUs	○ PC	○ Kit	○ Chassis	● Compute Element

Intel® NUC 13 Extreme Compute Element (H-series)

Shrike Bay Compute Element Ordering Codes		
Product Code	MM#	Processor
BNUC13SBBi90000	99C51R	13th Gen Core™ i9-13900K
BNUC13SBBi70000	99C51V	13th Gen Core™ i7-13700K
BNUC13SBBi50000	99C51X	13th Gen Core™ i5-13600K

Intel® NUC 13 Extreme Compute Element (H-series)

"Shrike Bay GT0" Compute Element

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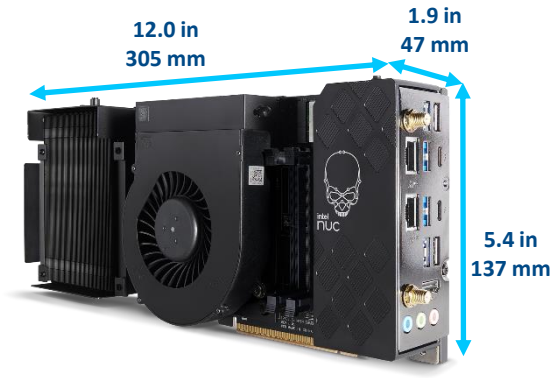
13th Generation Intel® Core™ i9-13900KF
Up to 5.8 GHz Intel® Thermal Velocity Boost, 125W unlocked
24 cores (8P+16E), 32 threads, 36MB Intel® Smart Cache

13th Generation Intel® Core™ i7-13700KF
Up to 5.4 GHz Intel® Turbo Boost Max 3.0, 125W unlocked
16 cores (8P+8E cores), 24 threads, 30MB Intel® Smart Cache

13th Generation Intel® Core™ i5-13600KF
Up to 5.1 GHz Max Turbo, 125W unlocked
14 cores (6P+8E cores), 20 threads, 24MB Intel® Smart Cache



- **Shrike Bay Compute Element**:
  - **125W+ K-SKU support, with heatsink and blower included**
  - **PCIe 5.0 x16 Gold Finger**
  - **Slot powered "cableless" design**
  - **Auxiliary Extension x4** support signals:
    - 2x SATA III, standard desktop FP, 2x USB 3.0, 2x USB 2.0, 2x 12V PWM fan signals, 1x PCIe
  - **Dual-channel DDR5 SODIMM slots, 64GB** max
  - **3x M.2 key M slots**: 80mm **CPU-attached PCIe x4 Gen4** NVMe, 2x 42/80mm PCH-attached PCIe x4 Gen4 NVMe or SATA3 SSD (SATA3 limited to 1), RAID-0 and RAID-1 capable
  - **Intel® 2.5 GbE LAN (i226-V) port**
  - **Intel® Killer™ Wi-Fi 6E AX1690i**, 802.11ax 2x2 ~3.0Gbps **w/ 6GHz + Bluetooth® v5.2** (5.3 capable) in M.2 2230 slot, dual external antennas
  - **6x USB 3.2 Gen2** Type-A connectors (rear)
  - Up to 7.1 multichannel digital audio via HDMI or DisplayPort (Type-C) signals
  - Analog audio with discrete Mic-in, Line-in, Speaker-out, FP audio Header
  - 1x USB 3.2 Gen2x2 Type-C Key A header
- Microsoft Windows* 11 logo'd
- Individual bulk packaging
- **Three-Year limited warranty**

Available SKUs	○ PC	○ Kit	○ Chassis	● Compute Element

Intel® NUC 13 Extreme Compute Element (H-series)

Shrike Bay GT0 Compute Element Ordering Codes		
Product Code	MM#	Processor
BNUC13SBBi9F000	99C51T	13th Gen Core™ i9-13900KF
BNUC13SBBi7F000	99C51W	13th Gen Core™ i7-13700KF
BNUC13SBBi5F000	99C51Z	13th Gen Core™ i5-13600KF

Intel® NUC 12 Extreme Compute Element (H-series)

"Eden Bay" Compute Element

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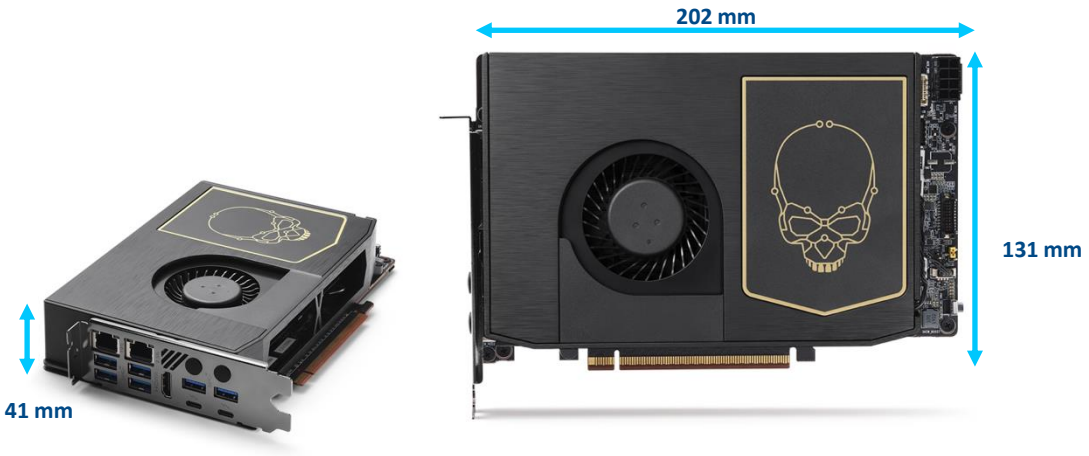
12th Generation Intel® Core™ i9-12900
Up to 5.1 GHz Turbo Boost Max 3.0, 8P+8E cores, 24 threads, 30MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.55 GHz
Intel vPro® Technology

12th Generation Intel® Core™ i7-12700
Up to 4.9 GHz Turbo Boost Max 3.0, 8P+4E cores, 20 threads, 25MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.50 GHz
Intel vPro® Technology



- Dual-channel DDR4-3200 SODIMM slots, 1.2V, 64GB max
  - ECC RAM supported on NUC 12 Pro X SKUs
- PCIe 5.0 x16 Gold Finger
- 3x M.2 key M slots:
  - 1x 80 CPU-attached PCIe x4 Gen4 NVMe
  - 2x 42/80 PCH-attached PCIe x4 Gen4 NVMe or SATA3 SSD
  - RAID-0 and RAID-1 capable
- Intel® Optane™ SSD and Intel® Optane™ Memory M10, H10, and H20 ready
- HDMI 2.1 TMDS Compatible connector (up to 4K60)
- 2x Thunderbolt™ 4 ports
- Supports Three 4K displays (Intel® UHD Graphics)
- Intel® 2.5 Gb Ethernet (i225-LM) port on select SKUs
- 10 Gb Ethernet (AQC113) port
- Intel® Wi-Fi 6E AX211, 802.11ax 2x2 2.4Gbps w/ 6GHz + Bluetooth® v5.2 (5.3 capable), dual internal antennas, in M.2 2230 key E slot
- 6x USB 3.2 Gen2 Type-A connectors
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 2x USB 3.2 Gen2 ports via Type-C Key B header
- USB 3.2 Gen2 Type-C port via Type-C Key A header
- 2x USB 2.0 headers
- Microsoft Windows* 11 logo'd, compatible w/ Windows Server 2019; compatible w/ various Linux distros
- Individual retail or bulk packaging
- Three-Year limited warranty

Available SKUs	○ PC	○ Kit	○ Chassis	● Compute Element

Intel® NUC 12 Extreme Compute Element (H-series)

Eden Bay Compute Element Ordering Codes (Retail Packaging)			
Product Code	MM#	Ethernet	Processor
BNUC12EDBi90000	99AWTX	10 Gb + Intel® i225-LM	12th Gen Core™ i9-12900
BNUC12EDBi70000	99AWTZ	10 Gb	12th Gen Core™ i7-12700

Intel® NUC 11 Extreme Compute Element (H-series)

"Driver Bay" Compute Element

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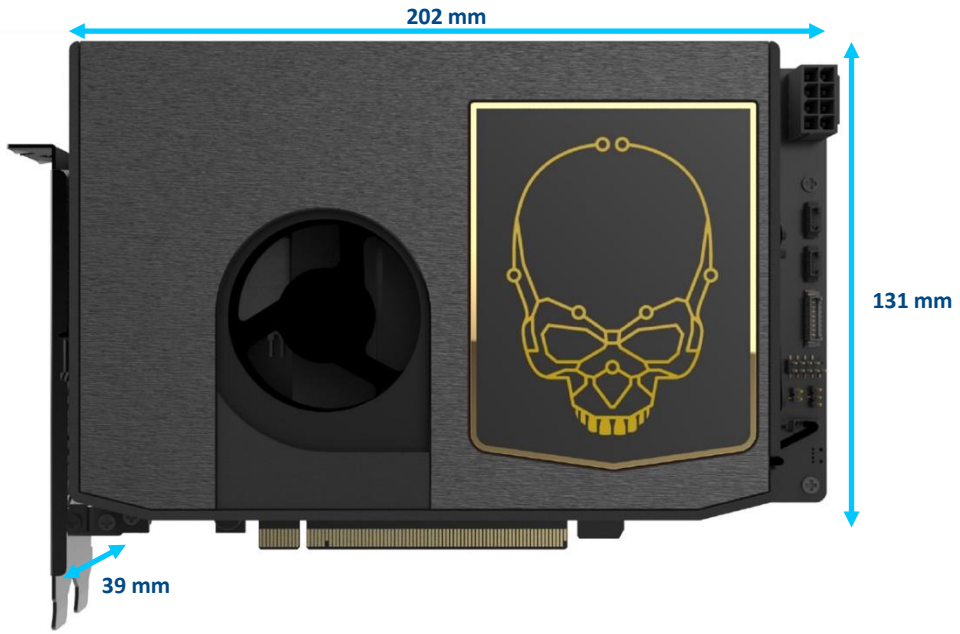
11th Generation Intel® Core™ i9-11900KB
Up to 4.9 GHz Turbo Boost Max 3.0, 8 cores, 16 threads, 24MB Cache, 65W
Intel® UHD Graphics, 350 MHz – 1.45 GHz

11th Generation Intel® Core™ i7-11700B
Up to 4.8 GHz Turbo Boost Max 3.0, 8 cores, 16 threads, 24MB Cache, 65W
Intel® UHD Graphics, 350 MHz – 1.45 GHz



- **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
- **PCIe 4.0 x16 Gold Finger**
- **3x M.2 key M slots**:
  - 1x 80 **CPU-attached PCIe x4 Gen4** NVMe
  - 2x 42/80 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD
  - RAID-0 and RAID-1 capable
- **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10, H10, and H20** ready
- **HDMI 2.0b** connector
- **2x Thunderbolt™ 4** ports
- **Supports Three 4K displays** (Intel® UHD Graphics)
- **Intel® 2.5 Gb Ethernet (i225-LM) port**
- **Intel® Wi-Fi 6E AX210,** 802.11ax 2x2 2.4Gbps w/ **6GHz** + **Bluetooth® v5.2** (5.3 capable), dual internal antennas, in M.2 2230 key E slot
- **6x USB 3.2 Gen2** Type-A connectors
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 2x USB 3.2 Gen2 ports via Type-C Key B header
- USB 3.2 Gen2 Type-C port via Type-C Key A header
- 2x USB 2.0 headers
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible w/ various Linux distros
- Individual retail or bulk packaging
- **Three-Year limited warranty**

Available SKUs	○ PC	○ Kit	○ Chassis	● Compute Element

Intel® NUC 11 Extreme Compute Element (H-series)

Driver Bay Compute Element Ordering Codes (Bulk Packaging)		
Product Code	MM#	Processor
BNUC11DBBi90000	99A8X3	11th Generation Core™ i9-11900KB
BNUC11DBBi70000	99A8X5	11th Generation Core™ i7-11700B

Driver Bay Compute Element Ordering Codes (Retail Packaging)		
Product Code	MM#	Processor
RNUC11DBBi90000	99A8X2	11th Generation Core™ i9-11900KB
RNUC11DBBi70000	99A8X4	11th Generation Core™ i7-11700B

Intel® NUC 9 Extreme Compute Element (H-series)

"Ghost Canyon" Compute Element

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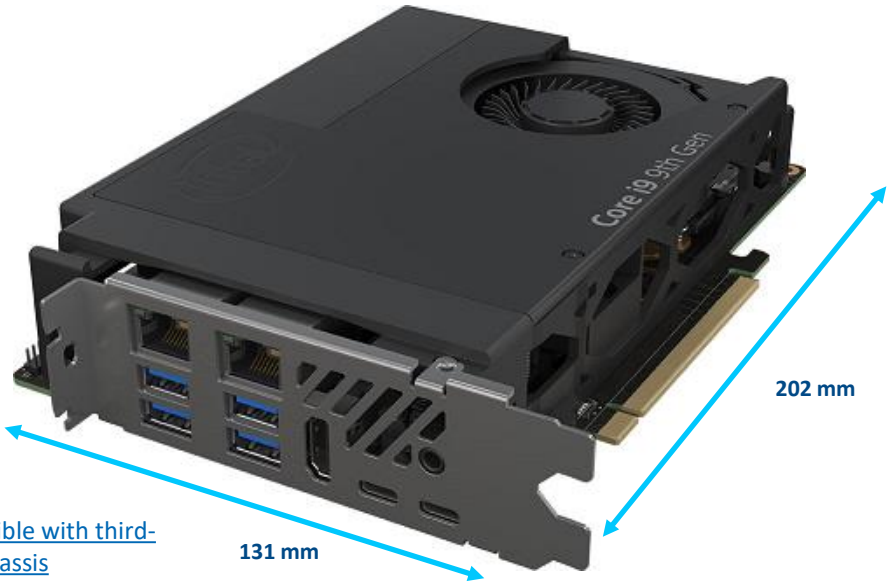
9th Generation Intel® Core™ i9-9980HK (NUC9i9QN)
2.40 GHz – 5.00 GHz Turbo, 8 core, 16 thread, 16MB Intel Smart Cache, **65W Intel® UHD Graphics 630**, 350 MHz – 1.25 GHz

9th Generation Intel® Core™ i7-9750H (NUC9i7QN)
2.60 GHz – 4.50 GHz Turbo, 6 core, 12 thread, 12 MB Intel Smart Cache, **65W Intel® UHD Graphics 630**, 350 MHz – 1.15 GHz

9th Generation Intel® Core™ i5-9300H (NUC9i5QN)
2.40 GHz – 4.10 GHz Turbo, 4 core, 8 thread, 8 MB Intel Smart Cache, **65W Intel® UHD Graphics 630**, 350 MHz – 1.05 MHz



Compatible with third-party chassis

- **Dual-channel DDR4 SODIMM slots**, 1.2V, max **64GB** @ 2666MHz
- **PCIe 3.0 x16 Gold Finger**
- **2x M.2 key M slots**: 42/80 + 42/80/110 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable
- **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10 and H10** ready
- **HDMI 2.0a** connector
- **2x Thunderbolt™ 3** ports
- **Supports Three 4K displays** (Intel® UHD Graphics)
- **2x Intel® Gigabit (i219-LM and i210-AT) Ethernet ports**
- **Intel® Wi-Fi 6 AX200,** 802.11ax 2x2 2.4Gbps + **Bluetooth® v5.2**, dual internal antennas
- **4x USB 3.2 Gen2** Type-A connectors
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm rear speaker / TOSLINK combo jack
- Internal Front Panel, Audio, CEC, SATA ribbon cable headers
- 2x USB 3.2 Gen2 ports via Type-C Key B header
- 2x USB 2.0 headers
- 202 x 131 x 39 mm
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible with Windows Server 2019
- Individual bulk packaging
- **Three-Year limited warranty**

Available SKUs	○ PC	○ Kit	○ Chassis	● Compute Element

Intel® NUC 9 Extreme Compute Element (H-series)

Ghost Canyon Compute Element Ordering Codes		
Product Code	MM#	Processor
BKNUC9i9QNB	999LWZ	9th Generation Core™ i9-9980HK
BKNUC9i7QNB	999LX0	9th Generation Core™ i7-9750H
BKNUC9i5QNB	999LX1	9th Generation Core™ i5-9300H

Intel® NUC 9 Pro Compute Element (H-series)

"Quartz Canyon" Compute Element

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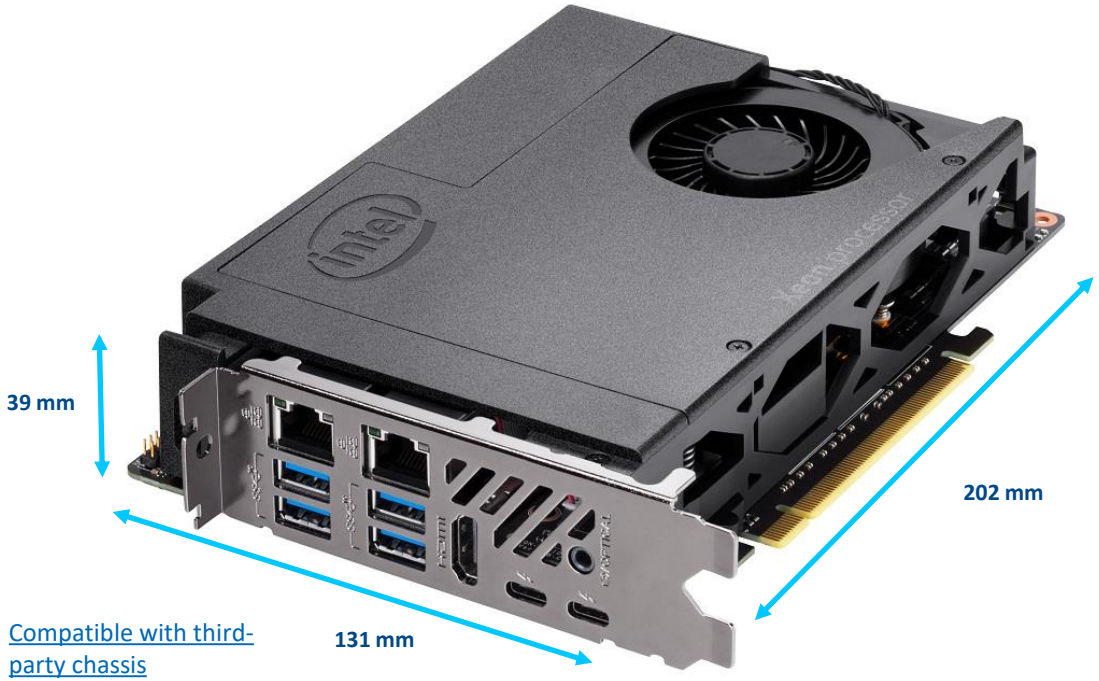
Intel® Xeon® E-2286M Processor (NUC9VXQN)
2.4 GHz – 5.0 GHz Turbo, 8 Core, 16 thread, 16MB Intel Smart Cache, **60W**
Intel® UHD Graphics P630, 350 MHz - 1250 MHz
Intel vPro® Technology, Intel® AMT

9th Generation Intel® Core™ i7-9850H (NUC9V7QN)
2.6 GHz – 4.6 GHz Turbo, 6 Core, 12 thread, 12MB Cache, **60W**
Intel® UHD Graphics 630, 350 MHz - 1150 MHz
Intel vPro® Technology, Intel® AMT



Compatible with third-party chassis

- **Dual-channel DDR4 SODIMM slots**, 1.2V, max **64GB** @ 2666MHz, ECC Memory Support (Xeon only)
- **PCIe 3.0 x16 Gold Finger**
- **2x M.2 key M slots**: 42/80 + 42/80/110 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, **RAID-0** and **RAID-1** capable
- **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10 and H10** ready
- **Discrete TPM 2.0**
- Runtime BIOS Resilience with Dynamic Attestation
- **HDMI 2.0a** connector
- **2x Thunderbolt™ 3** ports
- **Supports Three 4K displays** (Intel® UHD Graphics)
- **2x Intel® Gigabit** (**i219-LM and i210-AT**) Ethernet ports
- **Intel® Wi-Fi 6 AX200** 802.11ax 2x2 2.4Gbps, WiAMT + **Bluetooth® v5.2**, dual internal antennas
- **4x USB 3.2 Gen2** Type-A connectors
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm rear speaker / TOSLINK combo jack
- Internal Front Panel, Audio, CEC, SATA ribbon cable headers
- 2x USB 3.2 Gen2 ports via Type-C Key B header
- 2x USB 2.0 headers
- 202 x 131 x 39 mm
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible with Windows Server 2019
- Individual retail packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ PC	○ Kit	○ Chassis	● Compute Element

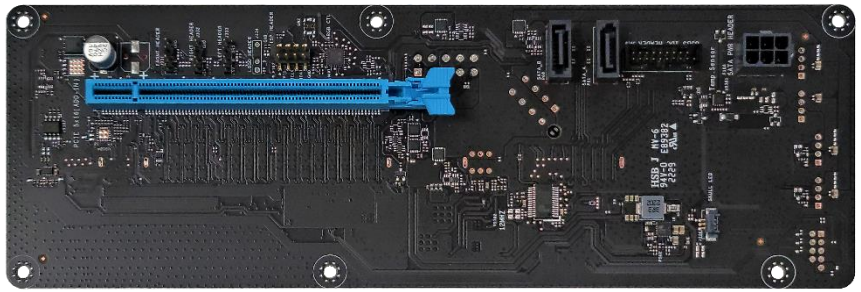
Intel® NUC 9 Pro Compute Element (H-series)

Quartz Canyon Compute Element Ordering Codes		
Product Code	MM#	Processor
BKNUC9VXQNB	999LX2	Xeon® E-2286M
BKNUC9V7QNB	999LX3	9th Generation Core™ i7-9850H

Intel® NUC Board Element (H-series)

Element side

85 mm



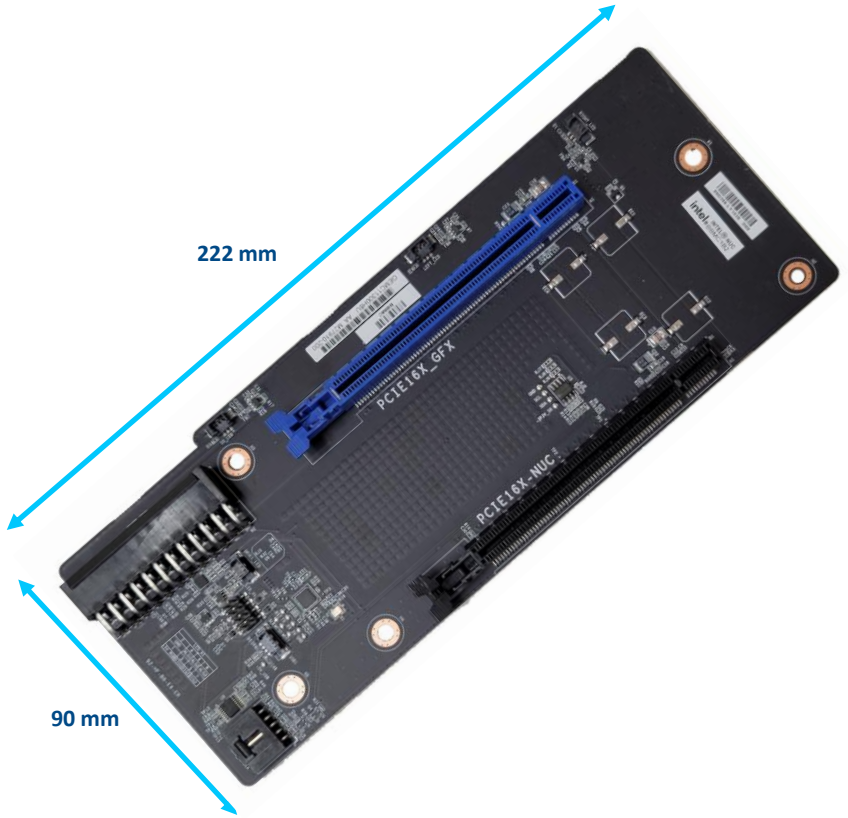
GPU side

- **Compatible with Shrike Bay Compute Element only**
- **1x PCIe 5.0 x16 slot**
  - **Black PCIe x16 with x4 extension** for "Shrike Bay" NUC Compute Element
  - **Blue PCIe x16** for Add-On Card
- **255 x 85 mm**
- **4x independently controlled addressable RGB headers**
- **20-pin USB 3.0 header (2 ports)**
- **2x SATA3 ports**
- **4-pin USB header**
- **3x 4-pin fan headers (BTMFAN1 / BTMFAN2 shared)**
- **1x 4-pin 12V pump header**
- **Front Panel IO 10-pin header**
- **ATX 12VO PSU Compatibility**
- **Three-Year limited warranty**

Intel® NUC Board Element (H-series)

Raptor Canyon Baseboard Board Element Ordering Codes	
Product Code	MM#
BKBBRN1B1	99C4NN

Intel® NUC Board Element (H-series)

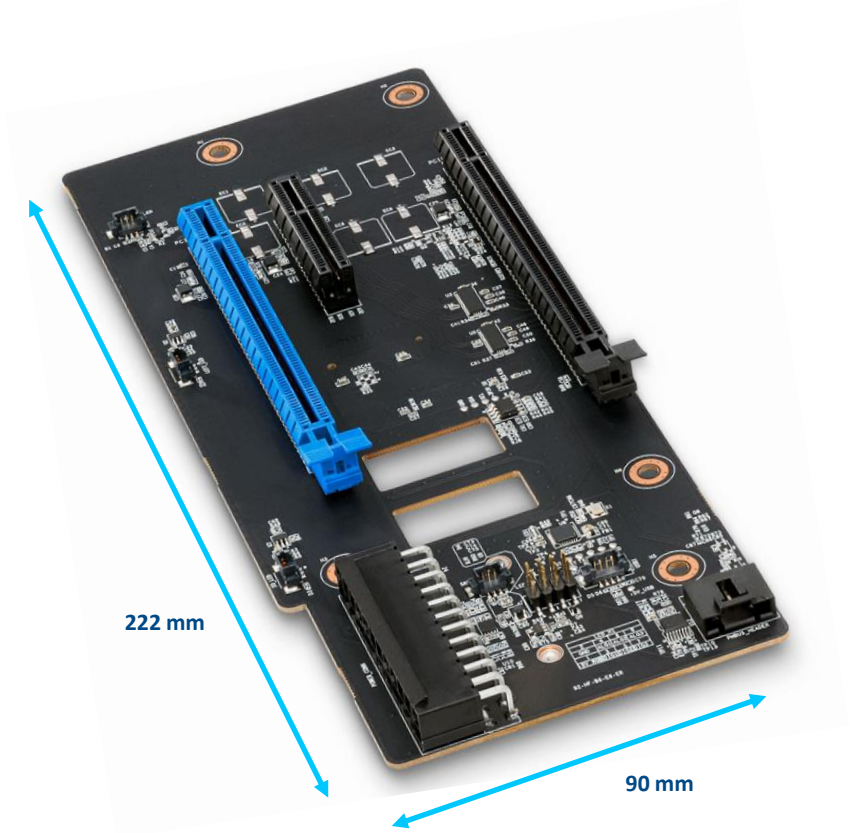


- **Compatible with H Series NUC Compute Elements**
  - Including Eden Bay, and Driver Bay Compute Elements
- **1x PCIe 5.0 x16 slot**
  - **Black PCIe x16** for NUC Compute Element
  - **Blue PCIe x16** for Add-On Card
- **222 x 90 mm**
- **4 independently controlled addressable RGB headers**
- **24pin Standard ATX PSU Compatibility**
- **Three-Year limited warranty**

Intel® NUC Board Element (H-series)

Monster Cove Gen5 Board Element Ordering Codes	
Product Code	MM#
BKBBMC1B2	99ALD6

Intel® NUC Board Element (H-series)



- **Compatible with H Series NUC Compute Elements**
  - Including Driver Bay, Quartz Canyon, and Ghost Canyon Compute Elements
- **2x PCIe 4.0 x16 slot**
  - **Black PCIe x16** for NUC Compute Element
  - **Blue PCIe x16** for Add-On Card
- **PCIe 4.0 x4 open-ended slot**
- **PCIe 4.0 x4 M.2 slot** (underside)
- **222 x 90 mm**
- **4 independently controlled addressable RGB headers**
- **24pin Standard ATX PSU Compatibility**
- **Three-Year limited warranty**

Intel® NUC Board Element (H-series)

Monster Cove Gen4 Board Element Ordering Codes	
Product Code	MM#
BKBBMC1B1	99A8X8

Intel® NUC Extreme

Upgradeable Powerhouse Mini PC with Discrete Graphics

- Intel® Core™ i9K/i7/i5 processors
- Supports 12” and 8” desktop dual or triple-slot graphics cards*
- Integrated discrete graphics processors*
- Triple M.2 SSD support*
- Upgradeable Compute Element board*
- Uncompromised performance

*Varies by product

Target Usage Scenarios

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Intel® NUC 13 Extreme

"Raptor Canyon"

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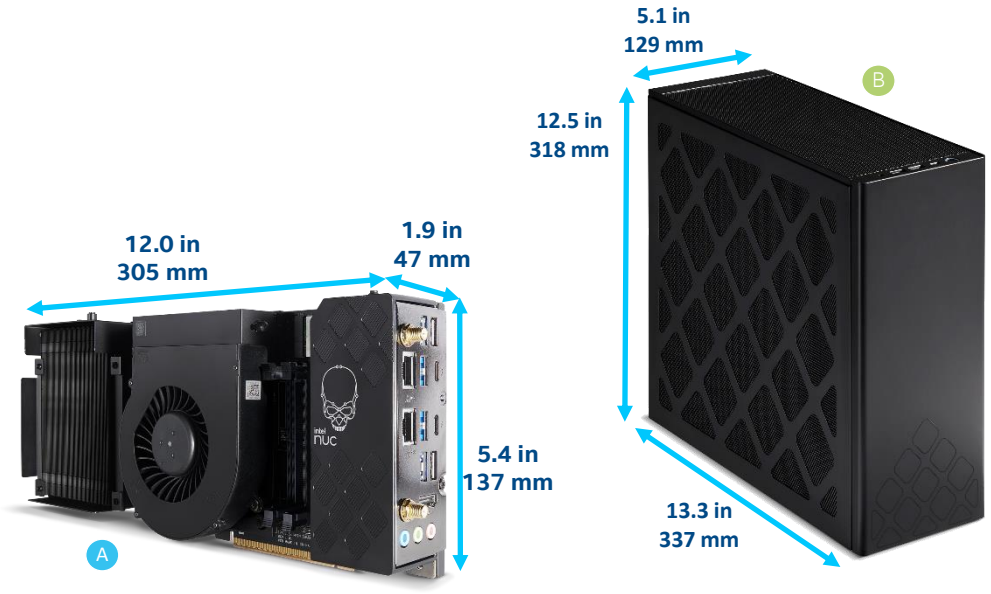
13th Generation Intel® Core™ i9-13900K
Up to 5.8 GHz Intel® Thermal Velocity Boost, 125W unlocked
24 cores (8P+16E), 32 threads, 36MB Intel® Smart Cache
Intel® UHD Graphics 770

13th Generation Intel® Core™ i7-13700K
Up to 5.4 GHz Intel® Turbo Boost Max 3.0, 125W unlocked
16 cores (8P+8E cores), 24 threads, 30MB Intel® Smart Cache
Intel® UHD Graphics 770

13th Generation Intel® Core™ i5-13600K
Up to 5.1 GHz Max Turbo, 125W unlocked
14 cores (6P+8E cores), 20 threads, 24MB Intel® Smart Cache
Intel® UHD Graphics 770



A Pre-installed **Shrike Bay Compute Element**:
- **K-SKU support 125W+ with heatsink included**
- **Slot powered "cableless" design**
- **Auxiliary Extension x4** support signals:
  - 2x SATA III, standard desktop FP, 2x USB 3.0, 2x USB 2.0, 2x 12V PWM fan signals, 1x PCIe
- **Dual-channel DDR5 SODIMM slots, 64GB** max
- **3x M.2 key M slots**: 80mm **CPU-attached PCIe x4 Gen4** NVMe, 2x 42/80mm PCH-attached PCIe x4 Gen4 NVMe or SATA3 SSD (SATA3 limited to 1), RAID-0 and RAID-1 capable
- **2x Thunderbolt™ 4 / USB4** Type-C ports
- **HDMI 2.1 TMDS compatible** connector (up to 4K60)
- **Supports up to 3x 4K displays** (Intel® UHD Graphics)
- **Intel® 2.5 Gb Ethernet (i226-V) and 10 Gb Ethernet (AQC113) ports**
- **Intel® Killer™ Wi-Fi 6E AX1690i**, 802.11ax 2x2 ~3.0Gbps **w/ 6GHz + Bluetooth® v5.2** (5.3 capa… M.2 2230 slot, dual external antennas
- **6x USB 3.2 Gen2** Type-A connectors (rear)
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort (Type-C) signals
- Analog audio with discrete Mic-in, Line-in, Speaker-out, FP audio Header

- Raptor Canyon chassis:

B
- **PCIe X16 Gen5** slot with 12VHPWR auxiliary power connector up to 300W, 8 pin & 2x 6+2-pin PCIe power connectors, up to 313mm card length, triple-slot capable
- **2x USB 3.2 Gen 1** Type-A (front) **1x USB 3.2 Gen2x2** Type-C (front)
- 3.5mm front stereo headset jack
- **337 x 318 x 129 mm (<14L volume)**
- **Full modular - 750W 80+ Gold SFX 12VO internal power supply** with geo-specific C13 AC cords
- **2x 120mm system fans** for optimized thermal design
- **Baseboard Features** – 2x SATA ports, 2x 12V PWM Fan headers, USB 3.2 Gen 1 20pin header, DC power for SATA HDDs, USB 2.0 port, 4 addressable RGB headers supporting up to 120 LEDs (30 LEDs per zone), configurable by Intel® NUC Software Studio

- Microsoft Windows* 11 logo'd
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	PC	Kit	Chassis	Compute Element
	○	●	○	●

Intel® NUC 13 Extreme

Raptor Canyon Kit Ordering Codes			
Product Code	MM#	AC Cord (C13)	Processor
Raptor Canyon Kit – NUC1xRNGi9			
RNUC13RNGi90000	99C514	None	13th Gen Core™ i9-13900K
RNUC13RNGi90001	99C515	US	
RNUC13RNGi90002	99C516	EU	
RNUC13RNGi90003	99C517	UK	
RNUC13RNGi90004	99C518	AU	
RNUC13RNGi90006	99C519	CN	
Raptor Canyon Kit – NUC1xRNGi7			
RNUC13RNGi70000	99C51A	None	13th Gen Core™ i7-13700K
RNUC13RNGi70001	99C51C	US	
RNUC13RNGi70002	99C51D	EU	
RNUC13RNGi70003	99C51F	UK	
RNUC13RNGi70004	99C51G	AU	
RNUC13RNGi70006	99C51H	CN	
Raptor Canyon Kit – NUC1xRNGi5			
RNUC13RNGi50000	99C51J	None	13th Gen Core™ i5-13600K
RNUC13RNGi50001	99C51K	US	
RNUC13RNGi50002	99C51L	EU	
RNUC13RNGi50003	99C51M	UK	
RNUC13RNGi50004	99C51N	AU	
RNUC13RNGi50006	99C51P	CN	

Shrike Bay Compute Element Ordering Codes		
Product Code	MM#	Processor
BNUC13SBBi90000	99C51R	13th Gen Core™ i9-13900K
BNUC13SBBi70000	99C51V	13th Gen Core™ i7-13700K
BNUC13SBBi50000	99C51X	13th Gen Core™ i5-13600K

Intel® NUC 12 Extreme

"Dragon Canyon"

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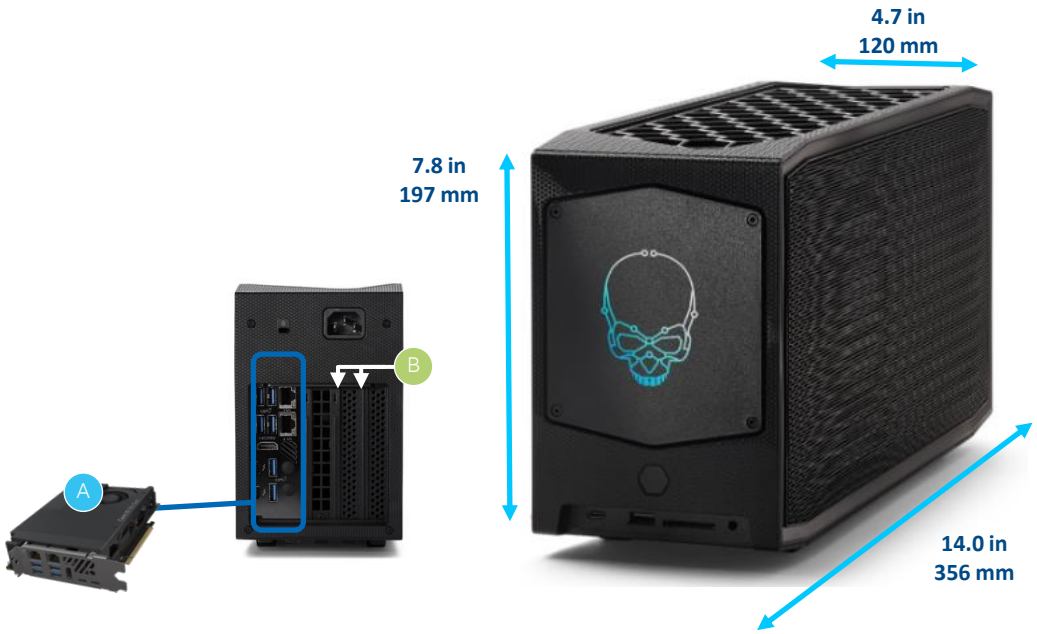
12th Generation Intel® Core™ i9-12900
Up to 5.1 GHz Turbo Boost Max 3.0, 8P+8E cores, 24 threads, 30MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.55 GHz
Intel vPro® Technology

12th Generation Intel® Core™ i7-12700
Up to 4.9 GHz Turbo Boost Max 3.0, 8P+4E cores, 20 threads, 25MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.50 GHz
Intel vPro® Technology



- A Pre-installed **Eden Bay Compute Element**:
  - **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
  - **3x M.2 key M slots**: 42/80 **CPU-attached PCIe X4 Gen4** NVMe, 2x 42/80 PCH-attached PCIe x4 Gen4 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable
  - **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10, H10, and H20** ready
  - **HDMI 2.1 TMDS Compatible** connector (up to 4K60)
  - **2x Thunderbolt™ 4** ports
  - **Supports Three 4K displays** (Intel® UHD Graphics)
  - **Intel® 2.5 Gb (i225-LM)** on select SKUs
  - **10 Gb Ethernet (AQC113)**
  - **Intel® Wi-Fi 6E AX211**, 802.11ax 2x2 2.4Gbps **w/ 6GHz + Bluetooth® v5.2** (5.3 capable), dual internal antennas, in M.2 2230 slot
  - **6x USB 3.2 Gen2** Type-A connectors (rear)
  - Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
  - 2x USB 2.0 headers
- Dragon Canyon chassis:
  - B **PCIe X16 Gen5** slot with 8 pin & 2x6+2-pin PCIe power connectors, up to 350W, up to 12" card length, dual-slot capable
  - **SDXC slot with UHS-II** support
  - **1x USB 3.2 Gen2** Type-A (front)
  - **1x USB 3.2 Gen2** Type-C (front)
  - 3.5mm front stereo headset jack
  - Plastic with metal inner frame, Kensington* lock with panel security
  - **356 x 197 x 120 mm (~8L volume)**
  - **650W 80+ Gold internal power supply** with geo-specific C13 AC cords
  - All-around customizable RGB lighting with user-replaceable RGB-backlit front logo
- Microsoft Windows* 11 logo'd, compatible w/ Windows Server 2019; compatible w/ various Linux distros
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	PC	Kit	Chassis	Compute Element
	○	●	○	●

Intel® NUC 12 Extreme

Dragon Canyon Kit Ordering Codes				
Product Code	MM#	AC Cord (C13)	Ethernet	Processor
Dragon Canyon Kit – NUC12DCMi9				
RNUC12DCMi90000	99ALGD	None	10 Gb + Intel® i225-LM	12th Gen Core™ i9-12900
RNUC12DCMi90001	99ALGF	US		
RNUC12DCMi90002	99ALGG	EU		
RNUC12DCMi90003	99ALGL	UK		
RNUC12DCMi90004	99ALGM	AU		
RNUC12DCMi90006	99ALGN	CN		
Dragon Canyon Kit – NUC12DCMi7				
RNUC12DCMi70000	99ALGP	None	10 Gb	12th Gen Core™ i7-12700
RNUC12DCMi70001	99ALGR	US		
RNUC12DCMi70002	99ALGV	EU		
RNUC12DCMi70003	99ALGW	UK		
RNUC12DCMi70004	99ALGX	AU		
RNUC12DCMi70006	99ALGZ	CN		

Eden Bay Compute Element Ordering Codes (Retail Packaging)			
Product Code	MM#	Ethernet	Processor
BNUC12EDBi90000	99AWTX	10 Gb + Intel® i225-LM	12th Gen Core™ i9-12900
BNUC12EDBi70000	99AWTZ	10 Gb	12th Gen Core™ i7-12700

Monster Cove Gen5 Board Element Ordering Code	
Product Code	MM#
BKBBMC1B2	99ALD6

Intel® NUC 11 Extreme

"Beast Canyon"

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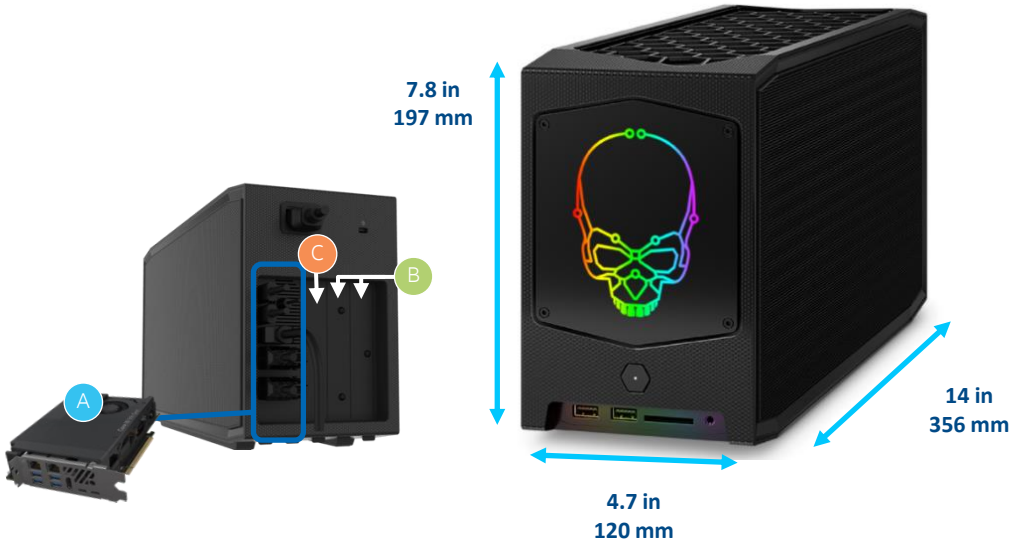
11th Generation Intel® Core™ i9-11900KB
Up to 4.9 GHz Turbo Boost Max 3.0, 8 cores, 16 threads, 24MB Cache, 65W
Intel® UHD Graphics, 350 MHz – 1.45 GHz

11th Generation Intel® Core™ i7-11700B
Up to 4.8 GHz Turbo Boost Max 3.0, 8 cores, 16 threads, 24MB Cache, 65W
Intel® UHD Graphics, 350 MHz – 1.45 GHz



- Pre-installed **Driver Bay Compute Element**:
  - **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
  - **3x M.2 key M slots**: 2280 **CPU-attached PCIe X4 Gen4** NVMe, 2x 2242/80 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable
  - **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10, H10, and H20** ready
  - **HDMI 2.0b** connector
  - **2x Thunderbolt™ 4** ports
  - **Supports Three 4K displays** (Intel® UHD Graphics)
  - **Intel® 2.5 Gb (i225-LM) Ethernet Port**
  - **Intel® Wi-Fi 6E AX210**, 802.11ax 2x2 2.4Gbps w/ 6GHz + Bluetooth® v5.2 (5.3 capable), dual internal antennas
  - **6x USB 3.2 Gen2** Type-A connectors (rear)
  - Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
  - USB 3.2 Gen2 Type-C port via Type-C Key A header
  - 2x USB 2.0 headers
- Beast Canyon chassis:
  - **PCIe X16 Gen4** slot with 8 pin & 2x6+2-pin PCIe power connectors, up to 350W, up to 12" card length, dual-slot capable
  - **PCIe X4 Gen4** slot – Pre-installed air-duct may need to be removed for slot operation.
  - **CPU-attached M.2 slot** 42/80/110 **PCIe X4 Gen4**, **Intel® Optane™ SSD** ready
  - **SDXC slot with UHS-II** support
  - **2x USB 3.2 Gen2** Type-A (front)
  - 3.5mm front stereo headset jack
  - Plastic with metal inner frame, Kensington* lock with panel security
  - **356 x 197 x 120 mm (~8L volume)**
  - **650W 80+ Gold internal power supply** with geo-specific C13 AC cords
  - All-around customizable RGB lighting with user-replaceable RGB-backlit front logo
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible w/ various Linux distros
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	○ PC	● Kit	○ Chassis	● Compute Element

Intel® NUC 11 Extreme

Beast Canyon Kit Ordering Codes			
Product Code	MM#	AC Cord (C13)	Processor
Beast Canyon Kit – NUC11BTMi9			
RNUC11BTMi90000	99A8V9	None	11th Gen Core™ i9-11900KB
RNUC11BTMi90001	99A8VA	US	
RNUC11BTMi90002	99A8VC	EU	
RNUC11BTMi90003	99A8VF	UK	
RNUC11BTMi90004	99A8VG	AU	
RNUC11BTMi90006	99A8VH	CN	
Beast Canyon Kit – NUC11BTMi7			
RNUC11BTMi70000	99A8VJ	None	11th Gen Core™ i7-11700B
RNUC11BTMi70001	99A8VK	US	
RNUC11BTMi70002	99A8VL	EU	
RNUC11BTMi70003	99A8VM	UK	
RNUC11BTMi70004	99A8VN	AU	
RNUC11BTMi70006	99A8VP	CN	

Driver Bay Compute Element Ordering Codes (Bulk Packaging)		
Product Code	MM#	Processor
BNUC11DBBi90000	99A8X3	11th Gen Core™ i9-11900KB
BNUC11DBBi70000	99A8X5	11th Gen Core™ i7-11700B

Driver Bay Compute Element Ordering Codes (Retail Packaging)		
Product Code	MM#	Processor
RNUC11DBBi90000	99A8X2	11th Gen Core™ i9-11900KB
RNUC11DBBi70000	99A8X4	11th Generation Core™ i7-11700B

Monster Cove Board Element Ordering Code	
Product Code	MM#
BKBBMC1B1	99A8X8

Intel® NUC 9 Extreme

"Ghost Canyon"

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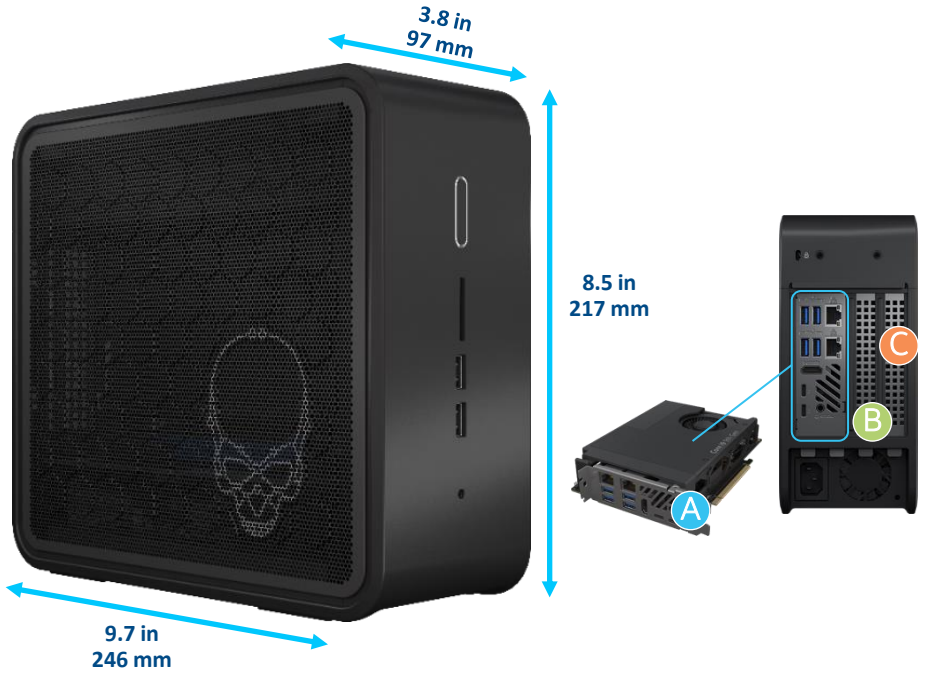
9th Generation Intel® Core™ i9-9980HK (NUC9i9QN)
2.40 GHz – 5.00 GHz Turbo, 8 core, 16 thread,
16MB Intel Smart Cache, **65W**
Intel® UHD Graphics 630, 350 MHz – 1.25 GHz

9th Generation Intel® Core™ i7-9750H (NUC9i7QN)
2.60 GHz – 4.50 GHz Turbo, 6 core, 12 thread,
12 MB Intel Smart Cache, **65W**
Intel® UHD Graphics 630, 350 MHz – 1.15 GHz

9th Generation Intel® Core™ i5-9300H (NUC9i5QN)
2.40 GHz – 4.10 GHz Turbo, 4 core, 8 thread,
8 MB Intel Smart Cache, **65W**
Intel® UHD Graphics 630, 350 MHz – 1.05 MHz



A Pre-installed **Ghost Canyon Compute Element**:
- **Dual-channel DDR4 SODIMM slots,** 1.2V, max **64GB** @ 2666MHz
- **2x M.2 key M** slots: 42/80 + 42/80/110 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, **RAID-0** and **RAID-1** capable
- **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10 and H10** ready
- **HDMI 2.0a** connector
- **2x Thunderbolt™ 3** ports
- **Supports Three 4K displays** (Intel® UHD Graphics)
- **2x Intel® 10/100/1000 Mbps (i219-LM and i210-AT) Ethernet** ports
- **Intel® Wi-Fi 6 AX200,** 802.11ax 2x2 2.4Gbps + Bluetooth® v5.2, dual internal antennas
- **4x USB 3.2 Gen2** Type-A connectors (rear)
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm rear speaker / TOSLINK combo jack
- Internal Front Panel, Audio, CEC, 2x USB 2.0 headers

- **Ghost Canyon** chassis:
  - B **PCIe X16 slot** with 6+2-pin & 8-pin PCIe power connectors, up to 225W, up to 8" card length, dual-slot capable
  - **PCIe X4 slot**
  - C **CPU-attached M.2 slot** 42/80/110 PCIe X4 Gen3, **Intel® Optane™ SSD** ready
  - **SDXC slot with UHS-II** support
  - **2x USB 3.2 Gen2** Type-A (front)
  - **1x USB 3.2 Gen2** Type-A (internal) connector
  - 3.5mm front stereo headset jack
  - Plastic with metal inner frame, Kensington* lock with panel security
  - **Chassis dimensions: 238 x 216 x 96 mm (5L volume)**
  - **500W internal power supply** with geo-specific C13 AC cords
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible w/ Windows Server 2019 and Linux
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	PC	Kit	Chassis	Compute Element
	○	●	○	●

Intel® NUC 9 Extreme

Ghost Canyon Kit Ordering Codes			
Product Code	MM#	AC Cord (C13)	Processor
Ghost Canyon Kit – NUC9i9QNX			
BXNUC9i9QNX	999DNT	None	9th Gen Core™ i9-9980HK
BXNUC9i9QNX1	999DNV	US	
BXNUC9i9QNX5	99A6DN	IN	
BXNUC9i9QNX6	999DP1	CN	
Ghost Canyon Kit – NUC9i7QNX			
BXNUC9i7QNX	999DP4	None	9th Gen Core™ i7-9750H
BXNUC9i7QNX1	999DP5	US	
BXNUC9i7QNX5	99A6DM	IN	
BXNUC9i7QNX6	999DP9	CN	
Ghost Canyon Kit – NUC9i5QNX			
BXNUC9i5QNX	999DPA	None	9th Gen Core™ i5-9300H
BXNUC9i5QNX1	999DPC	US	
BXNUC9i5QNX5	99A6DK	IN	
BXNUC9i5QNX6	999DPH	CN	

Compute Element Ordering Codes		
Product Code	MM#	Processor
Ghost Canyon Compute Element – NUC9i9QNB		
BKNUC9i9QNB	999LWZ	9th Gen Core™ i9-9980HK
Ghost Canyon Compute Element – NUC9i7QNB		
BKNUC9i7QNB	999LX0	9th Gen Core™ i7-9750H
Ghost Canyon Compute Element – NUC9i5QNB		
BKNUC9i5QNB	999LX1	9th Gen Core™ i5-9300H

Note: An alternate grey side panel set for Intel® NUC 9 Extreme is available (partners pay only for shipping & handling) and can be ordered from this website: https://www.gorite.com/nuc9i-panels

Intel® NUC Enthusiast

Our smallest Mini PC for gaming

- Intel® Core™ i7, i5 processors
- Includes third-party discrete graphics*
- Supports up to six 4K displays*
- Thunderbolt™ Technology
- Space saving at 1.2L to 2.5L volume
- RGB-backlit user replaceable mask*

*Varies by product

Target Usage Scenarios

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Intel® NUC 12 Enthusiast

"Serpent Canyon"

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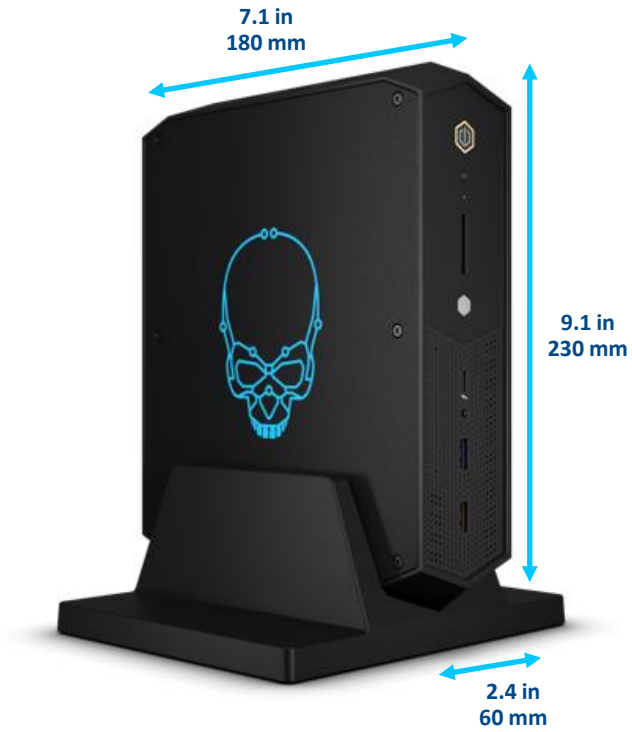
12th Generation Intel® Core™ i7-12700H
Up to 4.7 GHz Turbo Boost Max, 6P+8E cores, 20 threads, 24MB Intel Smart Cache
Intel® Iris™ Xe Graphics eligible Up to 1.40 GHz
Intel® Arc™ A770M Graphics w/ 16GB GDDR6



- **Intel® Arc™ A770M Graphics**
  - HDMI 2.1 TMDS Compatible port (up to 4K60)
  - 2x DisplayPort 2.0 (1.4 certified) ports
- **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
- **2x M.2 22x80** PCIe x4 Gen4 NVMe **and 1x M.2 22x80** PCIe x4 Gen3 NVMe or SATA3 SSD
- **Front and rear Thunderbolt™ 4 / USB4** Type-C ports with **5V/9V** fast charging profiles
- **Intel® 2.5 Gb Ethernet** (i225-LM) port
- **Intel® Killer™ Wi-Fi 6E AX1690i**, 802.11ax 2x2 **3.0 Gbps** w/ 6GHz **& DCT + Bluetooth® 5.2** (5.3 capable), with internal antennas
- **2x front, 4x rear USB 3.2 Gen2** ports, and 2x USB 2.0 via internal headers
- **SD Express slot**
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm front stereo headset jack, 3.5mm rear speaker / TOSLINK combo jack
- **Beam-forming, dual-mic array**
- Front Consumer Infrared port
- Plastic with metal inner frame, replaceable lid, Kensington* lock with base security
- **230 x 180 x 60 mm (~2.5L volume)**
- $19V_{DC}$ 330W power supply with geo-specific C13 AC cords
- Common I/O header with Front Panel, CEC, 2x USB2.0 signals
- **RGB-backlit top logo, with user-replaceable mask**
- Microsoft Windows* 11 logo'd, compatible with various Linux distros
- **Vertical stand included**
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	Mini PC	Kit	Chassis	Board

Intel® NUC 12 Enthusiast

Serpent Canyon Mini PC Ordering Codes							
Product Code	MM#	AC Cord (C13)	Processor	GPU	RAM	Storage	OS
Intel® NUC 12 Enthusiast Mini PC - NUC12SNK							
RNUC12SNKi72VAU	99C76X	US (USA customers only)	12th Gen Core™ i7-12700H	Intel® Arc™ A770M Graphics w/ 16GB GDDR6	16GB (2x 8GB) DDR4-3200	1TB NVMe PCIe x4 Gen4	Windows® 11 Home
RNUC12SNKi72VA1	99C76Z	US (WW)					

Serpent Canyon Kit Ordering Codes				
Product Code	MM#	AC Cord (C13)	Processor	GPU
Intel® NUC 12 Enthusiast Kit - NUC12SNKi7				
RNUC12SNKi72000	99AP6Z	None	12th Gen Core™ i7-12700H	Intel® Arc™ A770M Graphics w/ 16GB GDDR6
RNUC12SNKi7200U	99AP70	US (USA customers only)		
RNUC12SNKi72001	99AP71	US (WW)		
RNUC12SNKi72002	99AP72	EU		
RNUC12SNKi72004	99AP73	AU		
RNUC12SNKi72006	99AP74	CN		

Intel® NUC 11 Enthusiast

"Phantom Canyon"

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11th Generation Intel® Core™ i7-1165G7
2.8 GHz – 4.7 GHz Turbo, 4 core, 8 thread 12MB Intel Smart Cache, **28W**
Intel® Iris™ Xe Graphics, up to 1.3 GHz

- **NVIDIA® GeForce® RTX2060 Discrete Graphics w/ 6GB GDDR6**
  - **HDMI 2.0b** port
  - **Mini DisplayPort 1.4** port
  - **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
- **M.2 22x80/110** PCIe x4 Gen3 NVMe **and M.2 22x80 key M** slots PCIe x4 Gen3 NVMe or SATA3 SSDs
- **Intel® Optane™ Memory M10 and H10** ready
- **Front and rear Thunderbolt™ 4** ports (Intel® **Iris™ Xᵉ Graphics**) with **5V/9V** fast phone charging profiles
- **Intel® 2.5 Gb** (i225-LM) Ethernet port
- **Intel® Wi-Fi 6 AX201**, 802.11ax 2x2 2.4Gbps + **Bluetooth® 5.2**, with internal antennas
- **2x front, 4x rear USB 3.2 Gen2** ports, and 2x USB 2.0 via internal headers
- **SDXC slot with UHS-II** support
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm front stereo headset jack, 3.5mm rear speaker / TOSLINK combo jack
- **Beam-forming, far-field, quad-mic array, with Alexa support**
- Front Consumer Infrared port
- Plastic with metal inner frame, replaceable lid, Kensington* lock with base security
- **221 x 142 x 42 mm (~1.3L volume)**
- $19V_{DC}$ 230W power supply with geo-specific C13 AC cords
- Common I/O header with Front Panel, CEC, 2x USB2.0 signals
- **RGB-backlit top lid skull logo, with user-replaceable mask**
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible with various Linux distros
- **Vertical stand included**
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	● Mini PC	● Kit	○ Chassis	○ Board

Intel® NUC 11 Enthusiast

Phantom Canyon Mini PC Ordering Codes							
Product Code	MM#	AC Cord (C13)	Processor	GPU	RAM	Storage	OS
Intel® NUC 11 Enthusiast Mini PC - NUC11PHKi7CA							
RNUC11PHKi7CAA0	99AC0M	None	11th Generation Core™ i7-1165G7	Nvidia RTX2060 w/ 6GB GDDR6	16GB (2x 8GB) DDR4-3200	Intel® Optane™ Memory H10 (32GB + 512GB) Solid State Storage	Windows® 11 Home
RNUC11PHKi7CAA1	99AC0P	US					
RNUC11PHKi7CAA2	99AC0R	EU					
RNUC11PHKi7CAA6	99AC0X	CN					

Phantom Canyon Kit Ordering Codes				
Product Code	MM#	AC Cord (C13)	Processor	GPU
Intel® NUC 11 Enthusiast Mini PC - NUC11PHKi7C				
RNUC11PHKi7C000	99AC0C	None	11th Generation Core™ i7-1165G7	Nvidia RTX2060 w/ 6GB GDDR6
RNUC11PHKi7C001	99AC0D	US		
RNUC11PHKi7C002	99AC0F	EU		
RNUC11PHKi7C003	99AC0G	UK		
RNUC11PHKi7C004	99AC0H	AU		
RNUC11PHKi7C005	99AC0K	IN		
RNUC11PHKi7C006	99AC0L	CN		

Intel® NUC Performance

A customizable Mini PC with the Power of a Desktop PC

- Intel® Core™ i7, i5, i3 processors
- 8th, 10th, and 11th Gen options
- Up to Quadruple Display Support*
- Space saving from 0.35L to 0.7L volume
- Windows® 10 Home preinstalled*
- Up to 8K display support*
- Intel® Optane™ memory supported or preinstalled*

*Varies by product

Target Usage Scenarios

Home Office

Home Theater PC

Casual Gaming

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Intel® NUC 12 Pro

"Wall Street Canyon"

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12th Generation Intel® Core™ i7-1270P
Intel® Iris® Xᵉ Graphics, Intel vPro® Technology
12 Processor Cores (4P+8E), 16 threads, 18MB L3 Cache, 35W TDP
(P-Cores: Up to 4.8GHz Turbo; E-Cores : Up to 3.5GHz Turbo)

12th Generation Intel® Core™ i7-1260P
Intel® Iris® Xᵉ Graphics
12 Processor Cores (4P+8E), 16 threads, 18MB L3 Cache, 35W TDP
(P-Cores: Up to 4.7GHz Turbo; E-Cores: Up to 3.4GHz Turbo)

12th Generation Intel® Core™ i5-1250P
Intel® Iris® Xᵉ Graphics, Intel vPro® Technology
12 Processor Cores (4P+8E), 16 threads, 12MB L3 Cache, 35W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i5-1240P
Intel® Iris® Xᵉ Graphics
12 Processor Cores (4P+8E), 16 threads, 12MB L3 Cache, 35W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i3-1220P
Intel® UHD Graphics
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 20W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

- **Up to Quad Extended Displays**:
  - **Dual HDMI 2.1 TMDS Compatible** (4K@60Hz), with **built-in CEC per port**
  - **Dual Thunderbolt™ 4** ports (incl. **DP 1.4a** and **USB4**) via back panel type C connectors (select SKUs only)
- M.2 22x80 key M slot for **PCIe x4 Gen4 NVMe** SSD
- **M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2 and SATA SSD expandability**
- **Intel® i225** 10/100/1000/**2500 Mbps** RJ45 Ethernet (i225-LM on vPro SKUs; i225-V on non-vPro SKUs) port
- **Support for 2nd LAN** (Intel® 2.5 GbE) and **2x additional USB 2.0 ports** via internal expansion option (tall kits only) [2nd LAN/USB expansion module to be available separately, not included with NUC]
- **Intel® Wi-Fi 6E AX211** (vPro & non-vPro) on M.2 slot, supporting 802.11ax and Bluetooth 5.3 w/internal antennas
- Dual-channel **DDR4-3200 SODIMM slots**, 1.2V, **64GB max.**
- Discrete TPM 2.0 (i7 vPro® and i5 vPro® SKUs only)
- 2x front and 1x rear **USB 3.2 Gen2** type A ports
- 1x rear type A and 2x internal USB 2.0 headers
- **All USB ports with individual USB power control**
- 3.5mm front stereo headset jack
- Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports (select SKUs only)
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; Auto CMOS reset; DC transient voltage suppression**
- **Display emulation (headless display, virtual display, persistent displays) via HDMI ports**
- **12 – 20V_{DC} ±5% DC input on rear jack, internal 2x2 power connector, with OVP/UVP**
- TDP settings for Core i5/i7 CPUs down-configurable to 20W
- **Matte textured chassis**, replaceable lid, Kensington* lock with base security, Cable locking arm
  - Up to 40degC external ambient operating temperature tolerance
  - Power supply adapter (**120W**/20V_{DC} for Core i7, i5; **90W**/19V_{DC} for Core i3) with geo-specific AC cord (IEC C5)
  - VESA mounting plate included
  - Tall kits only: 2.5" drive bay (15mm SATA) and internal expansion bay via backpanel
- Dimensions: Board: 104 x 102 mm; "K" chassis: 117 x 112 x 37 mm; "H" chassis: 117 x 112 x 54 mm
- Microsoft Windows* 11, Windows 10 (logo'd), Windows 10 IOT Enterprise
- Compatible with various Linux distros
- Individual retail box packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	Mini PC	Kit	Chassis	Board

Refer to the **NUC Pro section** for ordering info

Intel® NUC 11 Performance

"Panther Canyon Lite"

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11th Generation Intel® Core™ i7-1165G7
2.8 GHz – 4.7 GHz Turbo, 4 core, 8 thread 12MB Intel Smart Cache, **28W**
Intel® Iris™ Xe Graphics, up to 1.3 GHz

11th Generation Intel® Core™ i5-1135G7
2.4 GHz – 4.2 GHz Turbo, 4 core, 8 thread 8MB Intel Smart Cache, **28W**
Intel® Iris™ Xe Graphics, up to 1.3 GHz

11th Generation Intel® Core™ i3-1115G4
3.0 GHz – 4.1 GHz Turbo, 2 core, 4 thread 6MB Intel Smart Cache, **28W**
Intel® Iris™ Xe Graphics, up to 1.25 GHz

- **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
- **M.2 22x80 key M** slot, **PCIe x4 Gen4** NVMe or SATA3 SSDs
- **HDMI 2.0b**, **Mini DisplayPort 1.4** ports
- **Up to quad display**, and **8K support**
- **Front and rear Thunderbolt™ 3** ports with **5V/9V** fast phone charging profiles
- **Intel® 2.5 Gb** (**i225-V**) Ethernet port
- **Intel® Wireless-AX 201**, 802.11ax 2x2 2.4Gbps + **Bluetooth® 5.2**, with internal antennas
- **2x front, 2x rear USB 3.2 Gen2** ports, USB 3.2 Gen 1, USB 2.0 ports via internal headers
- SDXC slot with **UHS-II** support
- Up to 7.1 multichannel digital audio via HDMI, DisplayPort, or Thunderbolt™ 4 signals
- 3.5mm front stereo headset jack
- Front Consumer Infrared port
- Plastic with metal inner frame, replaceable lid, Kensington* lock with base security
- "Tall" H chassis: 117 x 112 x 51 mm, w/ **2.5" 7mm SATA3 bay and port**
- $19V_{DC}$ input, **120W** (Core i7, i5) or **90W** power supply with geo-specific C5 AC cords
- Front Panel, CEC, RGB LED, USB 3.2 Gen2, USB 2.0 internal headers
- Front panel status RGB LED
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible with various Linux distros
- VESA mounting plate included in kit SKUs only
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	● Kit	○ Chassis	○ Board

Intel® NUC 11 Performance

Panther Canyon Lite L6 Kit Ordering Codes					
Product Code	MM#	AC Cord (C5)	Lid	Chassis	Processor
Panther Canyon Lite i7 Kits					
RNUC11PAHi70Z00	99AW85	None	Standard flat lid	Tall	11th Generation Core™ i7-1165G7
RNUC11PAHi70Z01	99AW86	US			
RNUC11PAHi70Z02	99AW87	EU			
Panther Canyon Lite i5 Kits					
RNUC11PAHi50Z00	99AW89	None	Standard flat lid	Tall	11th Generation Core™ i5-1135G7
RNUC11PAHi50Z01	99AW8G	US			
RNUC11PAHi50Z02	99AW8P	EU			
Panther Canyon Lite i3 Kits					
RNUC11PAHi30Z00	99AW96	None	Standard flat lid	Tall	11th Generation Core™ i3-1115G4
RNUC11PAHi30Z01	99AW97	US			
RNUC11PAHi30Z02	99AW98	EU			

Intel® NUC 10 Performance

"Frost Canyon"

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10th Generation Intel® Core™ i7-10710U
1.1 GHz – 4.7 GHz Turbo, **6 core**, **12 thread**, 12MB Intel Smart Cache, **25W**
Intel® UHD Graphics, 300 MHz – 1.15 GHz

10th Generation Intel® Core™ i5-10210U
1.6 GHz – 4.2 GHz Turbo, 4 core, 8 thread, 6MB Intel Smart Cache, **25W**
Intel® UHD Graphics, 300 MHz – 1.1 GHz

10th Generation Intel® Core™ i3-10110U
2.1 GHz – 4.1 GHz Turbo, 2 core, 4 thread, 4MB Intel Smart Cache, **25W**
Intel® UHD Graphics, 300 MHz – 1.0 GHz

- **Dual-channel DDR4-2666 SODIMM slots**, 1.2V, **64GB** maximum
- **M.2 22x42/80 key M** slot for PCIe x4 Gen3 NVMe or SATA3 SSD
- **Intel® Optane™ Memory M10 and H10** ready
- **HDMI 2.0a** port and **DisplayPort 1.2** via **Thunderbolt™ 3** / USB-C™ port
- **Supports three 4K displays**
- **Intel® i219-V** Gigabit Ethernet port
- **Intel® Wi-Fi 6 AX201,** 802.11ax 2x2 2.4Gbps + **Bluetooth® v5.2**, internal antennas
- Front **USB 3.2 Gen2** Type-C™ (**5V** fast phone charging profiles) and type-A ports
- 2x rear **USB 3.2 Gen2**, and 2x internal USB 2.0 via header
- Front Consumer Infrared port
- SDXC slot with **UHS-II** support
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- Plastic with metal inner frame, replaceable lid, Kensington* lock with base security
- "Tall" H chassis: 117 x 112 x 51 mm, w/ **2.5" 7mm SATA3 bay and port**
- "Slim" K chassis: 117 x 112 x 38 mm
- $19V_{DC}$ input, **120W** (Core™ i7 only) or **90W** power supply with geo-specific C5 AC cords
- Front Panel, CEC, RGB LED, 2x USB2.0 headers
- Front panel status RGB LED
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd, compatible with various Linux distros
- VESA mounting plate included in kit SKUs only
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	● Kit	○ Chassis	○ Board

*The product images shown may represent the range of products or be for illustration purposes only and may not be an exact representation of the product. **Non-audio SKU

Intel® NUC 10 Performance

Frost Canyon L6 Kit Ordering Codes (without analog audio codec / line-out jack & digital mics)				
Product Code	MM#	AC Cord (C5)	Chassis	Processor
Frost Canyon i7 Kit – NUC10i7FN				
BXNUC10i7FNHN	99AHT9	No Cord	Tall	10th Generation Core™ i7-10710U
BXNUC10i7FNHN1	99AHTF	US		
BXNUC10i7FNHN2	99AHTG	EU		
BXNUC10i7FNHN3	99AHTK	UK		
BXNUC10i7FNKN1	99AHTW	US	Slim	
BXNUC10i7FNKN2	99AHV3	EU		
Frost Canyon i5 Kit – NUC10i5FN				
BXNUC10i5FNHN	99AHV4	No Cord	Tall	10th Generation Core™ i5-10210U
BXNUC10i5FNHN1	99AHV5	US		
BXNUC10i5FNHN2	99AHV8	EU		
BXNUC10i5FNHN4	99AHV9	AU		
BXNUC10i5FNHN5	99AHVA	IN		
BXNUC10i5FNKN1	99AHVV	US	Slim	
BXNUC10i5FNKN2	99AHVW	EU		

Frost Canyon L6 Kit Ordering Codes (without analog audio codec / line-out jack & digital mics)				
Product Code	MM#	AC Cord (C5)	Chassis	Processor
Frost Canyon i3 Kit – NUC10i3FN				
BXNUC10i3FNHN	99AHVZ	No Cord	Tall	10th Generation Core™ i3-10110U
BXNUC10i3FNHN1	99AHW0	US		
BXNUC10i3FNHN2	99AHW1	EU		
BXNUC10i3FNHN3	99AHW4	UK		
BXNUC10i3FNHN5	99AHW5	IN		
BXNUC10i3FNKN1	99AHW7	US	Slim	
BXNUC10i3FNKN2	99AHWV	EU		

Intel® NUC Pro

Engineered For Your Business & Education Needs

- Based on Intel® Xeon, Intel® Core™ i7 vPro®, Core™ i5 vPro® and Intel® Core™ i9, i7, i3 processors
- Five-Year and Three-Year product availability
- Space-saving designs
- Validated for 24/7 operation* and other industry-leading Intel reliability tests
- Functional lid designs, adding additional display and connectivity options

*Varies by product

Target Usage Scenarios

Visual Solutions

SMB / Education

Collaboration

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Intel® NUC 12 Pro X

"Dragon Canyon Pro"

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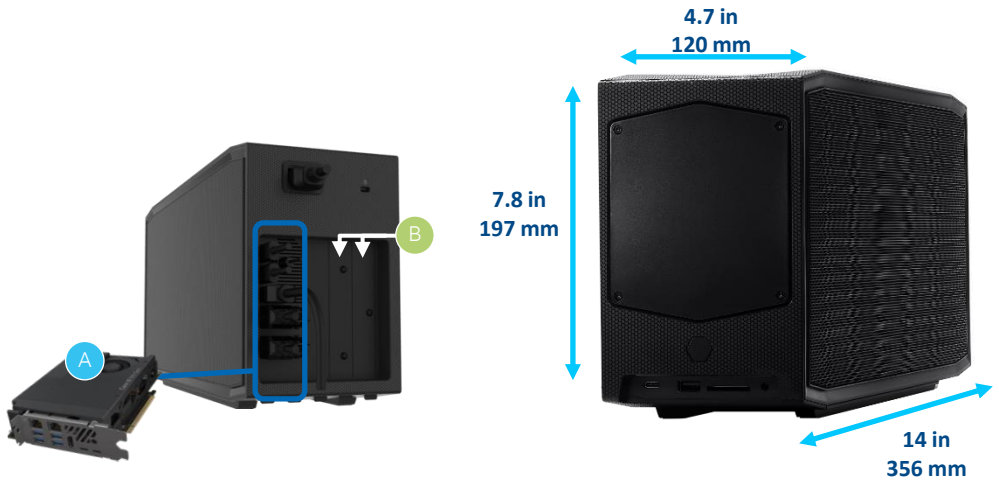
12th Generation Intel® Core™ i9-12900
Up to 5.1 GHz Turbo Boost Max 3.0, 8P+8E cores, 24 threads, 30MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.55 GHz
Intel vPro® Technology

12th Generation Intel® Core™ i7-12700
Up to 4.9 GHz Turbo Boost Max 3.0, 8P+4E cores, 20 threads, 25MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.50 GHz
Intel vPro® Technology



A Pre-installed **Compute Element**:
- **Dual-channel DDR4-3200 SODIMM slots**, 1.2V, **64GB** max
  - ECC RAM supported
- **3x M.2 key M slots**: 42/80 **CPU-attached PCIe X4 Gen4** NVMe, 2x 42/80 PCH-attached PCIe x4 Gen4 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable
- **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10 and H10** ready
- **HDMI 2.1 TMDS Compatible** connector
- **2x Thunderbolt™ 4** ports
- **Supports Three 4K displays** (Intel® UHD Graphics)
- **Intel® 2.5 Gb Ethernet (i225-LM) port**
- **10 Gb Ethernet (AQC113) port**
- **Intel® Wi-Fi 6E AX211,** 802.11ax 2x2 2.4Gbps w/ 6GHz, WiAMT + Bluetooth® v5.2, dual internal antennas, in M.2 2230 slot
- **6x USB 3.2 Gen2** Type-A connectors (rear)
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 2x USB 2.0 headers

B Dragon Canyon Pro chassis:
- **PCIe X16 Gen5** slot with 8 pin & 2x6+2-pin PCIe power connectors, up to 350W, up to 12" card length, dual-slot capable
- **SDXC slot with UHS-II** support
- **1x USB 3.2 Gen2** Type-A (front)
- **1x USB 3.2 Gen2** Type-C (front)
- 3.5mm front stereo headset jack
- Plastic with metal inner frame, Kensington* lock with panel security
- **356 x 197 x 120 mm (~8L volume)**
- **650W 80+ Gold internal power supply** with geo-specific C13 AC cords
- Front Panel customizable RGB user-replaceable backlit logo

- Microsoft Windows* 11, Microsoft Windows* 10 logo, compatible w/ Windows Server*; compatible w/ various Linux distros
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	○ PC	● Kit	○ Chassis	○ Compute Element

Intel® NUC 12 Pro X

Dragon Canyon Pro Kit Ordering Codes					
Product Code	MM#	AC Cord (C13)	TPM	Ethernet	Processor
Dragon Canyon Pro Kit – NUC12DCMv9					
BNUC12DCMv90000	99ALHW	None	WW	10 Gb + Intel® i225-LM	12th Generation Core™ i9-12900
Dragon Canyon Pro Kit – NUC12DCMv7					
BNUC12DCMv70000	99ALJ4	None	WW	10 Gb + Intel® i225-LM	12th Generation Core™ i7-12700

Monster Cove Gen5 Board Element Ordering Code	
Product Code	MM#
BKBBMC1B2	99ALD6

Intel® NUC 9 Pro

"Quartz Canyon"

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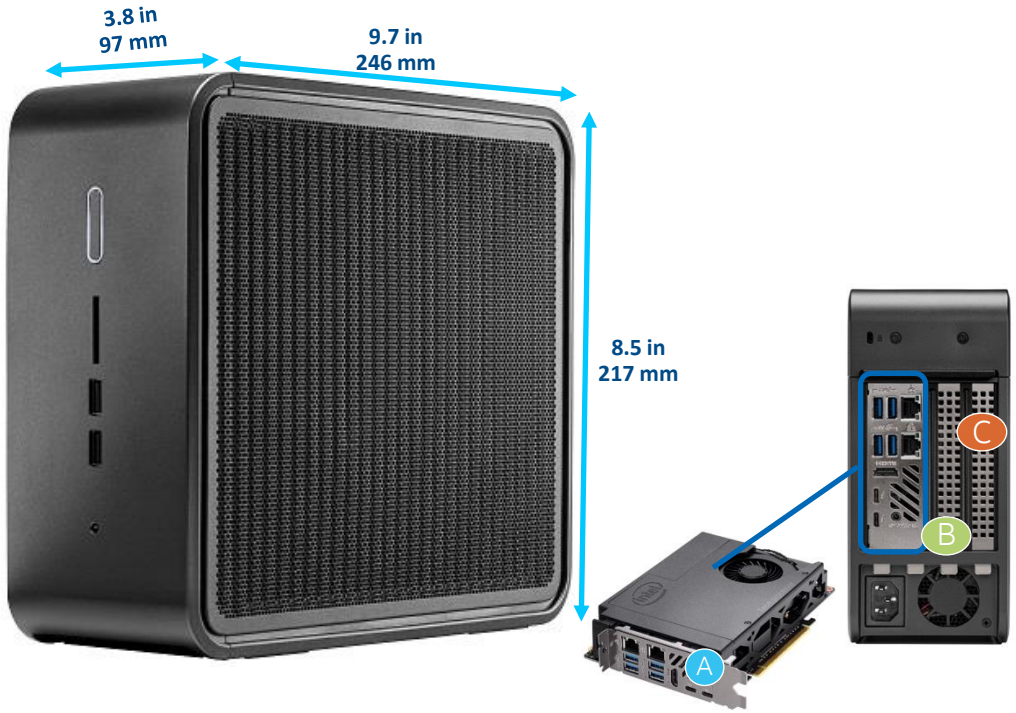
Intel® Xeon® E-2286M Processor (NUC9VXQN)
2.4 GHz – 5.0 GHz Turbo, 8 Core, 16 thread, 16MB Intel Smart Cache, **60W**
Intel® UHD Graphics P630, 350 MHz - 1250 MHz
Intel vPro® Technology, Intel® AMT

9th Generation Intel® Core™ i7-9850H (NUC9V7QN)
2.6 GHz – 4.6 GHz Turbo, 6 Core, 12 thread, 12MB Cache, **60W**
Intel® UHD Graphics 630, 350 MHz - 1150 MHz
Intel vPro® Technology, Intel® AMT



A Pre-installed **Quartz Canyon Compute Element**:
- **Dual-channel DDR4 SODIMM slots**, 1.2V, max **64GB** @ 2666 MHz, ECC Memory Support (Xeon only)
- **2x M.2 key M slots**: 42/80 + 42/80/110 PCH-attached PCIe x4 Gen3 NVMe or SATA3 SSD, **RAID-0** and **RAID-1** capable
- **Intel® Optane™ SSD** and **Intel® Optane™ Memory M10 and H10** ready
- **Discrete TPM 2.0**
- **Runtime BIOS Resilience with Dynamic Attestation**
- **HDMI 2.0a** connector
- **2x Thunderbolt™ 3** ports
- **Supports Three 4K displays** (Intel® UHD Graphics)
- **2x Intel® Gigabit (i219-LM and i210-AT) Ethernet** ports
- **Intel® Wi-Fi 6 AX200,** 802.11ax 2x2 2.4Gbps, WiAMT + Bluetooth® v5.2, dual internal antennas
- **4x USB 3.2 Gen2** Type-A connectors (rear)
- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm rear speaker / TOSLINK combo jack
- Internal Front Panel, Audio, CEC, 2x USB 2.0 headers

- **Quartz Canyon** chassis:

B
- **PCIe X16 slot** with 6+2-pin & 6-pin PCIe power connectors, up to 225W, up to 8" card length, dual-slot capable

C
- **PCIe X4 slot**
- **CPU-attached M.2 slot** 42/80/110 PCIe X4 Gen3, **Intel® Optane™ SSD** ready
- SDXC slot with **UHS-II** support
- **2x USB 3.2 Gen2** Type-A (front)
- **1x USB 3.2 Gen2** Type-A (internal) connector
- 3.5mm front stereo headset jack
- Plastic with metal inner frame, Kensington* lock with panel security
- **238 x 216 x 96 mm (5L volume)**
- **500W internal power supply** with geo-specific C13 AC cords

- Microsoft Windows* 11, Microsoft Windows* 10 logo, compatible with Windows Server 2019; compatible with various Linux distros
- Individual bulk packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ PC	● Kit	○ Chassis	○ Compute Element

Intel® NUC 9 Pro

Quartz Canyon Kit Ordering Codes			
Product Code	MM#	AC Cord (C13)	Processor
Quartz Canyon Kit – NUC9VXQNX			
BKNUC9VXQNX	999DNA	None	Xeon E-2286M
BKNUC9VXQNX1	999DNC	US	
BKNUC9VXQNX2	999DND	EU	
BKNUC9VXQNX3	999DNF	UK	
BKNUC9VXQNX4	999DNG	AU	
BKNUC9VXQNX6	999DNH	CN	
Quartz Canyon Kit – NUC9V7QNX			
BKNUC9V7QNX	999DNJ	None	9th Generation Core™ i7-9850H
BKNUC9V7QNX1	999DNK	US	
BKNUC9V7QNX2	999DNL	EU	
BKNUC9V7QNX3	999DNM	UK	
BKNUC9V7QNX4	999DNN	AU	
BKNUC9V7QNX6	999DNP	CN	

Quartz Canyon Compute Element Ordering Codes		
Product Code	MM#	Processor
BKNUC9VXQNB	999LX2	Xeon® E-2286M
BKNUC9V7QNB	999LX3	9th Gen i7-9850H

Intel® NUC Pro Chassis Element (U-series)

"Fort Beach" Chassis

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Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay Hard Bay, and Icon Bay Compute Elements are supported in the Fort Beach chassis.

CMCM2FB: Base

CMCM2FBAV: Video Capture & Audio

- **Requires Intel® NUC Compute Element**
- **Actively-Cooled chassis with I/O board installed**
- Two design implementations: **Base** (CMCM2FB), **Video Capture & Audio** (CMCM2FBAV)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Two HDMI 2.0a** with built-in CEC, support for dual 4k@60Hz
- Intel® **Optane™ Memory H10 with Solid State Storage** ready
- **Intel® i219-LM** Gigabit Ethernet and **Intel® i211-AT** Gigabit Ethernet ports
- 1x front and 2x rear USB **3.2 Gen2** type A ports
- 1x front and 2x rear USB 2.0 type A ports
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- **Qualified for 24x7 operation; delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack
- Metal chassis, Kensington* lock with base security
  - **0~35degC** external ambient operating temperature
  - 19V_{DC} 90W power supply adapter with geo-specific AC cords (IEC C5 connector)
  - VESA mounting plate included
  - Internal Wi-Fi and Bluetooth® antennas
  - Chassis dimensions: 200 x 145 x 35 mm (w/ rubber feet)
- Microsoft Windows 11, Windows 10, Windows 10 IOT Enterprise
- Compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite**
- Individual brown-box packaging
- **Three-Year product availability, Three-Year limited warranty**
- **Video Capture & Audio Version Additional Features**
- **HDMI Video Capture up to 1080p with HDMI Passthrough**
- **3.5mm Audio In and Out jacks**

Available SKUs	○ Mini PC	○ Kit	● Chassis	○ Compute Element

Intel® NUC Pro Chassis Element (U-series)

Fort Beach Carrier Chassis Ordering Codes (CMCM2FB)		
Product Code	MM#	Description
BKCMCM2FB	99A2P2	Intel® NUC Pro Chassis Element CMCM2FB, no cord, 5 pack
BKCMCM2FB1	99A2P3	Intel® NUC Pro Chassis Element CMCM2FB, US cord, 5 pack
BKCMCM2FB2	99A2P6	Intel® NUC Pro Chassis Element CMCM2FB, EU cord, 5 pack
BKCMCM2FB3	99A2PC	Intel® NUC Pro Chassis Element CMCM2FB, UK cord, 5 pack
BKCMCM2FB4	99A2PD	Intel® NUC Pro Chassis Element CMCM2FB, AU cord, 5 pack
Fort Beach Carrier Chassis Ordering Codes (CMCM2FBAV)		
BKCMCM2FBAV	99A2N5	Intel® NUC Pro Chassis Element CMCM2FBAV, no cord, 5 pack
BKCMCM2FBAV1	99A2NJ	Intel® NUC Pro Chassis Element CMCM2FBAV, US cord, 5 pack
BKCMCM2FBAV2	99A2NZ	Intel® NUC Pro Chassis Element CMCM2FBAV, EU cord, 5 pack
BKCMCM2FBAV3	99A2P0	Intel® NUC Pro Chassis Element CMCM2FBAV, UK cord, 5 pack
BKCMCM2FBAV4	99A2P1	Intel® NUC Pro Chassis Element CMCM2FBAV, AU cord, 5 pack

Intel® NUC 12 Pro

"Wall Street Canyon"

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12th Generation Intel® Core™ i7-1270P
Intel® Iris® Xe Graphics, Intel vPro® Technology
12 Processor Cores (4P+8E), 16 threads, 18MB L3 Cache, 35W TDP
(P-Cores: Up to 4.8GHz Turbo; E-Cores : Up to 3.5GHz Turbo)

12th Generation Intel® Core™ i7-1260P
Intel® Iris® Xe Graphics
12 Processor Cores (4P+8E), 16 threads, 18MB L3 Cache, 35W TDP
(P-Cores: Up to 4.7GHz Turbo; E-Cores: Up to 3.4GHz Turbo)

12th Generation Intel® Core™ i5-1250P
Intel® Iris® Xe Graphics, Intel vPro® Technology
12 Processor Cores (4P+8E), 16 threads, 12MB L3 Cache, 35W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i5-1240P
Intel® Iris® Xe Graphics
12 Processor Cores (4P+8E), 16 threads, 12MB L3 Cache, 35W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i3-1220P
Intel® UHD Graphics
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 20W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

- **Up to Quad Extended Displays**:
  - **Dual HDMI 2.1 TMDS Compatible** (4K@60Hz), with **built-in CEC per port**
  - **Dual Thunderbolt™ 4** ports (incl. **DP 1.4a** and **USB4**) via back panel type C connectors **(select SKUs only)**
- M.2 22x80 key M slot for **PCIe x4 Gen4 NVMe** SSD
- **M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2 and SATA SSD expandability**
- **Intel® i225 2.5 Gb** Ethernet (i225-LM on vPro SKUs; i225-V on non-vPro SKUs) port
- **Support for 2nd LAN** (Intel® 2.5 GbE) and **2x additional USB 2.0 ports** via internal expansion option (tall kits only) [2nd LAN/USB expansion module to be available separately, not included with NUC]
- **Intel® Wi-Fi 6E AX211** (vPro & non-vPro) on M.2 slot, supporting 802.11ax and Bluetooth 5.3 w/internal antennas
- Dual-channel **DDR4-3200 SODIMM slots**, 1.2V, **64GB max.**
- Discrete TPM 2.0 (i7 vPro® and i5 vPro® SKUs only)
- 2x front and 1x rear **USB 3.2 Gen2** type A ports
- 1x rear type A and 2x internal USB 2.0 headers
- **All USB ports with individual USB power control**
- 3.5mm front stereo headset jack
- Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports **(select SKUs only)**
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; Auto CMOS reset; DC transient voltage suppression**
- **Display emulation (headless display, virtual display, persistent displays) via HDMI ports**
- **12 – 20V_{DC} ±5% DC input on rear jack, internal 2x2 power connector, with OVP/UVP**
- TDP settings for Core i5/i7 CPUs down-configurable to 20W
- **Matte textured chassis**, replaceable lid, Kensington* lock with base security, Cable locking arm
  - Up to 40degC external ambient operating temperature tolerance
  - Power supply adapter (**120W**/20V_{DC} for Core i7, i5; **90W**/19V_{DC} for Core i3) with geo-specific AC cord (IEC C5)
  - VESA mounting plate included
  - Tall kits only: 2.5" drive bay (15mm SATA) and internal expansion bay via backpanel
- Dimensions: Board: 104 x 102 mm; "K" chassis: 117 x 112 x 37 mm; "H" chassis: 117 x 112 x 54 mm
- Microsoft Windows 11(logo'd), Windows 10 (logo'd), Windows 10 IOT Enterprise
- Compatible with various Linux distros
- Pre-installed Zoom Rooms SKU available (Requires a Zoom Rooms service subscription, available in US only)
- **Supported by Intel® NUC Pro Software Suite**
- Individual retail box packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	Mini PC	Kit	Chassis	Board
	●	●	○	●

Intel® NUC 12 Pro

"Wall Street Canyon" Board

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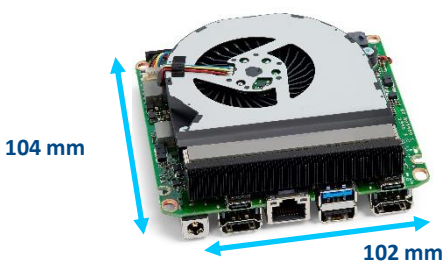
12th Generation Intel® Core™ i7-1270P
Intel® Iris® Xᵉ Graphics, Intel vPro® Technology
12 Processor Cores (4P+8E), 16 threads, 18MB L3 Cache, 35W TDP
(P-Cores: Up to 4.8GHz Turbo; E-Cores : Up to 3.5GHz Turbo)

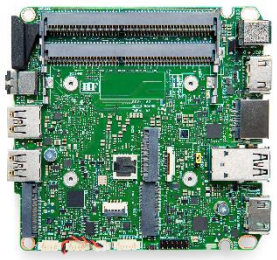
12th Generation Intel® Core™ i7-1260P
Intel® Iris® Xᵉ Graphics
12 Processor Cores (4P+8E), 16 threads, 18MB L3 Cache, 35W TDP
(P-Cores: Up to4.7GHz Turbo; E-Cores: Up to 3.4GHz Turbo)

12th Generation Intel® Core™ i5-1250P
Intel® Iris® Xᵉ Graphics, Intel vPro® Technology
12 Processor Cores (4P+8E), 16 threads, 12MB L3 Cache, 35W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i5-1240P
Intel® Iris® Xᵉ Graphics
12 Processor Cores (4P+8E), 16 threads, 12MB L3 Cache, 35W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)

12th Generation Intel® Core™ i3-1220P
Intel® UHD Graphics
10 Processor Cores (2P+8E), 12 threads, 12MB L3 Cache, 20W TDP
(P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)





- **Up to Quad Extended Displays**:
  - **Dual HDMI 2.1 TMDS Compatible** (4K@60Hz), with **built-in CEC per port**
  - **Dual Thunderbolt™ 4** ports (incl. **DP 1.4a** and **USB4**) via back panel type C connectors **(select SKUs only)**
- M.2 22x80 key M slot for **PCIe x4 Gen4 NVMe** SSD
- **M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2 and SATA SSD expandability**
- **Intel® i225 2.5 Gb** Ethernet (i225-LM on vPro SKUs; i225-V on non-vPro SKUs) port
- **M.2 2230 key E** slot for Intel® Wi-Fi 6E AX211 card (sold separately)
- Dual-channel **DDR4-3200 SODIMM slots**, 1.2V, **64GB max.**
- Discrete TPM 2.0 (i7 vPro® and i5 vPro® SKUs only)
- 2x front and 1x rear **USB 3.2 Gen2** type A ports
- 1x rear type A and 2x internal USB 2.0 headers
- **All USB ports with individual USB power control**
- 3.5mm front stereo headset jack
- Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports **(select SKUs only)**
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; Auto CMOS reset; DC transient voltage suppression**
- **Display emulation (headless display, virtual display, persistent displays) via HDMI ports**
- **12 – 20V_{DC} ±5% DC input on rear jack, internal 2x2 power connector, with OVP/UVP**
- TDP settings for Core i5/i7 CPUs down-configurable to 20W
- Board dimensions: 104 x 102 mm
- Microsoft Windows 11(logo'd), Windows 10 (logo'd), Windows 10 IOT Enterprise
- Compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite**
- 5-pack bulk packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	○ Chassis	● Board

Intel® NUC 12 Pro

Wall Street Canyon i7 vPro® "Tall Kit" - NUC12WSHv7				
Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSHv70000	99AP33	Yes	No	12th Gen Intel® Core™ i7-1270P Intel vPro® Technology
RNUC12WSHv70001	99AP35	Yes	US	
RNUC12WSHv70002	99AP36	Yes	EU	

Wall Street Canyon i7 vPro® "Slim Kit" - NUC12WSKv7				
Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSKv70000	99AP2Z	Yes	No	12th Gen Intel® Core™ i7-1270P Intel vPro® Technology
RNUC12WSKv70001	99AP31	Yes	US	
RNUC12WSKv70002	99AP32	Yes	EU	

Wall Street Canyon i5 vPro® "Tall Kit" - NUC12WSHv5				
Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSHv50000	99AP25	Yes	No	12th Gen Intel® Core™ i5-1250P Intel vPro® Technology
RNUC12WSHv50001	99AP27	Yes	US	
RNUC12WSHv50002	99AP28	Yes	EU	

Wall Street Canyon i5 vPro® "Slim Kit" - NUC12WSKv5				
Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSKv50000	99AP21	Yes	No	12th Gen Intel® Core™ i5-1250P Intel vPro® Technology
RNUC12WSKv50001	99AP23	Yes	US	
RNUC12WSKv50002	99AP24	Yes	EU	

Intel® NUC 12 Pro

Wall Street Canyon i7 "Tall Kit" - NUC12WSHi7

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSHi70000	99AP2J	Yes	No	12th Gen Intel® Core™ i7-1260P
RNUC12WSHi70001	99AP2L	Yes	US	
RNUC12WSHi70002	99AP2M	Yes	EU	
RNUC12WSHi70006	99AP2R	Yes	CN	

Wall Street Canyon i7 "Slim Kit" - NUC12WSKi7

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSKi70000	99AP2A	Yes	No	12th Gen Intel® Core™ i7-1260P
RNUC12WSKi70001	99AP2D	Yes	US	
RNUC12WSKi70002	99AP2F	Yes	EU	

Wall Street Canyon i5 "Tall Kit" - NUC12WSHi5

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSHi50000	99AP0H	Yes	No	12th Gen Intel® Core™ i5-1240P
RNUC12WSHi50001	99AP0K	Yes	US	
RNUC12WSHi50002	99AP10	Yes	EU	
RNUC12WSHi50006	99AP1L	Yes	CN	

Wall Street Canyon i5 "Slim Kit" - NUC12WSKi5

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSKi50000	99AP09	Yes	No	12th Gen Intel® Core™ i5-1240P
RNUC12WSKi50001	99AP0C	Yes	US	
RNUC12WSKi50002	99AP0D	Yes	EU	

Wall Street Canyon i3 "Tall Kit" - NUC12WSHi3

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSHi30000	99AP01	Yes	No	12th Gen Intel® Core™ i3-1220P
RNUC12WSHi30001	99AP03	Yes	US	
RNUC12WSHi30002	99AP04	Yes	EU	
RNUC12WSHi30006	99AP07	Yes	CN	

Wall Street Canyon i3 "Slim Kit" - NUC12WSKi3

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSKi30000	99ANZT	Yes	No	12th Gen Intel® Core™ i3-1220P
RNUC12WSKi30001	99ANZW	Yes	US	
RNUC12WSKi30002	99ANZX	Yes	EU	

Wall Street Canyon i3 no type C "Tall Kit" - NUC12WSHi3

Product Code	MM#	TBT	AC Cord (C5)	Processor
RNUC12WSHi30Z00	99AXMR	No	No	12th Gen Intel® Core™ i3-1220P

Intel® NUC 12 Pro

"Wall Street Canyon" Boards, Mini PCs, & Dual LAN Kits

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Wall Street Canyon Boards			
Product Code	MM#	TBT	Processor
BNUC12WSBv70000	99ANZ1	Yes	12th Gen Intel® Core™ i7-1270P Intel vPro® Technology
BNUC12WSBi70000	99ANZ0	Yes	12th Gen Intel® Core™ i7-1260P
BNUC12WSBv50000	99ANXZ	Yes	12th Gen Intel® Core™ i5-1250P Intel vPro® Technology
BNUC12WSBi50000	99ANXX	Yes	12th Gen Intel® Core™ i5-1240P
BNUC12WSBi30000	99ANXW	Yes	12th Gen Intel® Core™ i3-1220P

"Wall Street Canyon" Mini PCs (for China only)

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Wall Street Canyon "Tall" Mini PCs (PRC)									
Processor	Product Code	MM#	TBT	AC Cord (C5)	Box	VESA Bracket	RAM	SSD	OS
12th Gen Intel® Core™ i7-1260P	RNUC12WSHi70QA6	99AXMK	Yes	CN	CN	No	2x8GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Home Plus
12th Gen Intel® Core™ i5-1240P	RNUC12WSHi50WA6	99AXMG	Yes	CN	CN	No	2x4GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Home Standard
12th Gen Intel® Core™ i3-1220P	RNUC12WSHi30WA6	99AXMC	Yes	CN	CN	No	2x4GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Home Standard

Wall Street Canyon vPro® Dual LAN Kits
Dual LAN Kit SKUs have been replaced by the Dual LAN Accessory I/O Add-on Module MM#99C4JW

Intel® NUC 12 Pro

"Wall Street Canyon" Mini PCs (no type C – worldwide dist.)

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Wall Street Canyon "Slim" no type C Mini PCs (Worldwide)									
CPU	Product Code	MM#	TBT	AC Cord (C5)	Box	VESA Bracket	RAM	SSD	OS
12th Gen Intel® Core™ i7-1260P	RNUC12WSKi70XC1	99C02G	No	US	WW	Yes	2x8GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Pro Standard
	RNUC12WSKi70XC2	99AXMJ		EU					
12th Gen Intel® Core™ i5-1240P	RNUC12WSKi50YC1	99C02F	No	US	WW	Yes	2x4GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Pro Standard
	RNUC12WSKi50YC2	99AXMF		EU					
12th Gen Intel® Core™ i3-1220P	RNUC12WSKi30YC1	99C01P	No	US	WW	Yes	2x4GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Pro Standard
	RNUC12WSKi30YC2	99AXMA		EU					

"Wall Street Canyon" Mini PC for Zoom Rooms

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Wall Street Canyon "Tall" Mini PC for Zoom Rooms*									
CPU	Product Code	MM#	TBT	AC Cord (C5)	Box	VESA Bracket	RAM	SSD	OS
12th Gen Intel® Core™ i5-1240P	RNUC12WSHi50UD1	99C76T	Yes	US	WW	Yes	2x8GB DDR4-3200	256GB NVMe x4 Gen4	Windows 10 IoT Enterprise 2021 LTSC Value

*Requires a Zoom Rooms service subscription, currently available in the US only

Intel® NUC 11 Pro

"Tiger Canyon"

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11th Generation Intel® Core™ i7-1185G7
Intel® Iris™ Xᵉ Graphics, Intel vPro® Technology
3.0GHz@28W, up to 4.8GHz Turbo, 4 Cores, 8 Threads, 12MB L3 Cache

11th Generation Intel® Core™ i7-1165G7
Intel® Iris™ Xᵉ Graphics
2.8GHz@28W, up to 4.7GHz Turbo, 4 Cores, 8 Threads, 12MB L3 Cache

11th Generation Intel® Core™ i5-1145G7
Intel® Iris™ Xᵉ Graphics, Intel vPro® Technology
2.6GHz@28W, up to 4.4GHz Turbo, 4 Cores, 8 Threads, 8MB L3 Cache

11th Generation Intel® Core™ i5-1135G7
Intel® Iris™ Xᵉ Graphics
2.4GHz@28W, up to 4.2GHz Turbo, 4 Cores, 8 Threads, 8MB L3 Cache

11th Generation Intel® Core™ i3-1115G4
Intel® UHD Graphics
~1.9GHz@15W, up to 4.1GHz Turbo, 2 Cores, 4 Threads, 6MB L3 Cache

*The product images shown may represent the range of products or be for illustration purposes only and may not be an exact representation of the product.

- **Up to Quad Extended Displays**:
  - **Dual HDMI 2.0b** (4K@60Hz), with **built-in CEC per port**
  - **Dual Thunderbolt™** ports (incl. **DP 1.4a** and **USB4**) via back panel type C connectors **(select SKUs only)**
- M.2 22x80 key M slot for **PCIe x4 Gen4 NVMe** SSD
- **M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2, USB 2.0 and SATA SSD expandability**
- **Intel® i225-LM 2.5 Gb** Ethernet port
- **Support for 2nd LAN** (Intel® 2.5 GbE) and **2x additional USB 2.0 ports** via internal expansion option (tall kits only) [2nd LAN/USB expansion module to be available separately, not included with NUC]
- **Intel® Wi-Fi 6 AX201** (vPro & non-vPro) on M.2 slot, supporting 802.11ax and Bluetooth 5.2 w/internal antennas
- Discrete TPM 2.0 (i7 vPro® and i5 vPro® SKUs only)
- Dual-channel **DDR4-3200 SODIMM slots**, 1.2V, **64GB max.**
- 2x front and 1x rear **USB 3.2 Gen2** type A ports
- 1x rear type A and 2x internal USB 2.0 headers (all USB ports with individual USB power control)
- **1x RS232 serial port header**
- Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports **(select SKUs only)**
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; Auto CMOS reset; DC transient voltage suppression**
- **Display emulation (headless display, virtual display, persistent displays) via HDMI**
- **12 – 20V_{DC} ±5%** (reduced from 24V_{DC}) **DC input on rear jack, internal 2x2 power connector, with OVP/UVP**
- TDP settings down-configurable to 12W
- **Matte textured chassis**, replaceable lid, Kensington* lock with base security, Cable locking arm
  - 0~40degC external ambient operating temperature tolerance
  - 19VDC power supply adapter with geo-specific AC cords (IEC C5 connector)
  - VESA mounting plate included
  - Tall kit only: 2.5" drive bay (7mm), and internal expansion bay via backpanel (**DB9 punched bracket, or 2nd LAN and 2x additional USB 2.0 ports on expansion card**)
- "Tall" H chassis: 117 x 112 x 54 mm; "Slim" K chassis: 117 x 112 x 37mm; Board: 104 x 102 mm
- Microsoft Windows 11(logo'd), Windows 10 (logo'd), Windows 10 IOT Enterprise
- Compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite**
- Individual brown-box packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ Mini PC	● Kit	○ Chassis	● Board

Intel® NUC 11 Pro

"Tiger Canyon" Board

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Click here for Assets

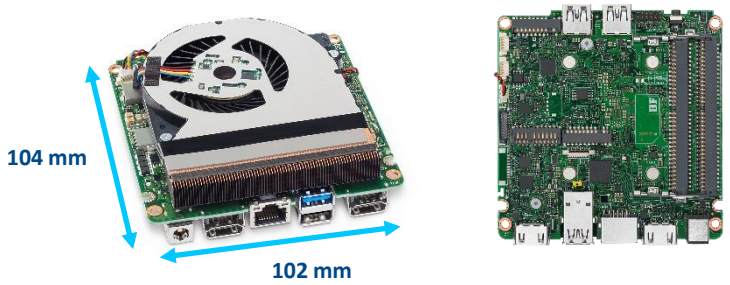
11th Generation Intel® Core™ i7-1185G7
Intel® Iris™ Xe Graphics, Intel vPro® Technology
3.0GHz@28W, up to 4.8GHz Turbo, 4 Cores, 8 Threads, 12MB L3 Cache

11th Generation Intel® Core™ i7-1165G7
Intel® Iris™ Xe Graphics
2.8GHz@28W, up to 4.7GHz Turbo, 4 Cores, 8 Threads, 12MB L3 Cache

11th Generation Intel® Core™ i5-1145G7
Intel® Iris™ Xe Graphics, Intel vPro® Technology
2.6GHz@28W, up to 4.4GHz Turbo, 4 Cores, 8 Threads, 8MB L3 Cache

11th Generation Intel® Core™ i5-1135G7
Intel® Iris™ Xe Graphics
2.4GHz@28W, up to 4.2GHz Turbo, 4 Cores, 8 Threads, 8MB L3 Cache

11th Generation Intel® Core™ i3-1115G4
Intel® UHD Graphics
~1.9GHz@15W, up to 4.1GHz Turbo, 2 Cores, 4 Threads, 6MB L3 Cache



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- **Up to Quad Extended Displays**:
  - **Dual HDMI 2.0b** (4K@60Hz), with **built-in CEC per port**
  - **Dual Thunderbolt™** ports (incl. **DP 1.4a** and **USB4**) via back panel type C connectors (select SKUs only)
- M.2 22x80 key M slot for **PCIe x4 Gen4 NVMe** SSD
- **M.2 22x42 key B slot for PCIe x1 Gen3, USB 3.2 Gen2, USB 2.0 and SATA SSD expandability**
- **Intel® i225-LM 2.5 Gb** Ethernet port
- **M.2 2230 key E** slot for Intel® Wi-Fi 6 AX201 card (sold separately)
- TPM 2.0 (i7 vPro® and i5 vPro® SKUs only)
- Dual-channel **DDR4-3200 SODIMM slots**, 1.2V, **64GB max.**
- 2x front and 1x rear **USB 3.2 Gen2** type A ports
- 1x rear type A and 2x internal USB 2.0 headers (all USB ports with individual USB power control)
- **1x RS232 serial port header**
- Up to 7.1 multichannel (or 8-channel) digital audio on HDMI and DP type C ports (select SKUs only)
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; Auto CMOS reset; DC transient voltage suppression**
- **Display emulation (headless display, virtual display, persistent displays) via HDMI**
- **12 – 24V_{DC} ±5% DC input on rear jack, internal 2x2 power connector, with OVP/UVP**
- TDP settings down-configurable to 12W
- Board dimensions: 104 x 102 mm
- Microsoft Windows 11(logo'd), Windows 10 (logo'd), Windows 10 IOT Enterprise
- Compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite**
- 5-pack bulk packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	○ Chassis	● Board

Intel® NUC 11 Pro

Tiger Canyon i7 vPro® "Tall" Kit – NUC11TNHv7				
Product Code	MM#	AC Cord (C5)	Processor	TPM
BNUC11TNHv70000	99A7JR	None	11th Gen Core™ i7-1185G7	WW
BNUC11TNHv70001	99A7JT	US		WW
BNUC11TNHv70002	99A7JV	EU		WW

Tiger Canyon i7 vPro® "Slim" Kit – NUC11TNKv7				
Product Code	MM#	AC Cord (C5)	Processor	TPM
BNUC11TNKv70000	99A7JH	None	11th Gen Core™ i7-1185G7	WW
BNUC11TNKv70001	99A7JK	US		WW
BNUC11TNKv70002	99A7JL	EU		WW

Tiger Canyon i5 vPro® "Tall" Kit – NUC11TNHv5				
Product Code	MM#	AC Cord (C5)	Processor	TPM
BNUC11TNHv50000	99A7AF	None	11th Gen Core™ i5-1145G7	WW
BNUC11TNHv50001	99A7AG	US		WW
BNUC11TNHv50002	99A7AH	EU		WW

Tiger Canyon i5 vPro® "Slim" Kit – NUC11TNKv5v				
Product Code	MM#	AC Cord (C5)	Processor	TPM
BNUC11TNKv50000	99A6X5	None	11th Gen Core™ i5-1145G7	WW
BNUC11TNKv50001	99A78W	US		WW
BNUC11TNKv50002	99A79Z	EU		WW

Tiger Canyon vPro® Dual LAN Kits				
Product Code	MM#	AC Cord (C5)	Processor	2nd LAN
BNUC11TNHv70L00	99A7JX	None	11th Gen Core™ i7-1185G7	2.5 GbE & Dual USB 2.0
BNUC11TNHv50L00	99A7AK	None	11th Gen Core™ i5-1145G7	2.5 GbE & Dual USB 2.0

Intel® NUC 11 Pro

Tiger Canyon i7 "Tall" Kit – NUC11TNHi7

Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNHi70000	99A8FA	None	11th Gen Core™ i7-1165G7
BNUC11TNHi70001	99A8FC	US	
BNUC11TNHi70002	99A8FD	EU	

Tiger Canyon i7 "Slim" Kit – NUC11TNKi7

Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNKi70000	99A8A8	None	11th Gen Core™ i7-1165G7
BNUC11TNKi70001	99A8A9	US	
BNUC11TNKi70002	99A8AF	EU	

Tiger Canyon i5 "Tall" Kit – NUC11TNHi5

Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNHi50000	99A8F6	None	11th Gen Core™ i5-1135G7
BNUC11TNHi50001	99A8F7	US	
BNUC11TNHi50002	99A8F8	EU	

Tiger Canyon i5 "Slim" Kit – NUC11TNKi5

Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNKi50000	99A8A5	None	11th Gen Core™ i5-1135G7
BNUC11TNKi50001	99A8A6	US	
BNUC11TNKi50002	99A8A7	EU	

Tiger Canyon i3 "Tall" Kit – NUC11TNHi3

Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNHi30000	99A8F1	None	11th Gen Core™ i3-1115G4
BNUC11TNHi30001	99A8F2	US	
BNUC11TNHi30002	99A8F3	EU	

Tiger Canyon i3 "Slim" Kit – NUC11TNKi3vzv

Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNKi30000	99A8A2	None	11th Gen Core™ i3-1115G4
BNUC11TNKi30001	99A8A3	US	
BNUC11TNKi30002	99A8A4	EU	

Tiger Canyon non-vPro Dual LAN Kits

Product Code	MM#	AC Cord (C5)	Processor	2nd LAN
BNUC11TNHi70L00	99A8AL	None	11th Gen Core™ i7-1165G7	2.5 GbE & Dual USB 2.0
BNUC11TNHi50L00	99A8AK	None	11th Gen Core™ i5-1135G7	2.5 GbE & Dual USB 2.0
BNUC11TNHi30L00	99A8AJ	None	11th Gen Core™ i3-1115G4	2.5 GbE & Dual USB 2.0

Intel® NUC 11 Pro

Tiger Canyon L9 Kits Ordering Codes						
Product Code	MM#	AC Cord (C5)	Processor	RAM	Storage	OS
Tiger Canyon i7 Kit – NUC11TNHi7						
BNUC11TNHi70Q06	99AA5V	CN	11th Gen Core™ i7-1165G7	16GB DDR4	500GB Gen4 NVMe	None
Tiger Canyon i5 Kit – NUC11TNHi5						
BNUC11TNHi50W06	99AA5R	CN	11th Gen Core™ i5-1135G7	8GB DDR4	500GB Gen4 NVMe	None
Tiger Canyon i3 Kit – NUC11TNHi3						
BNUC11TNHi30P06	99AA5P	CN	11th Gen Core™ i3-1115G4	8GB DDR4	256GB NVMe	None

Intel® NUC 11 Pro

"Tiger Canyon" Board
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Tiger Canyon Board			
Product Code	CPU	MM#	TPM
BNUC11TNBv70000	11th Gen Core™ i7 vPro®	99A78V	WW
BNUC11TNBi70000	11th Gen Core™ i7	99A876	None
BNUC11TNBv50000	11th Gen Core™ i5 vPro®	99A78T	WW
BNUC11TNBi50000	11th Gen Core™ i5	99A875	None
BNUC11TNBi30000	11th Gen Core™ i3	99A874	None

Intel® NUC 11 Pro

Ordering Information for Tiger Canyon without Type C (Product Codes Contain "Z")

Tiger Canyon No Type-C i7 – NUC11TN "Z" i7			
Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNBi70Z00	99AT8R	N/A	11th Gen Core™ i7-1165G7
BNUC11TNKi70Z00	99ATAN	None	
BNUC11TNKi70Z01	99ATAP	US	
BNUC11TNKi70Z02	99ATAR	EU	
BNUC11TNHi70Z00	99ATAW	None	
BNUC11TNHi70Z01	99ATAX	US	
BNUC11TNHi70Z02	99ATAZ	EU	
BNUC11TNHi70Z06	99ATC0	CN	

Tiger Canyon No Type-C i3 – NUC11TN "Z" i3			
Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNBi30Z00	99AT8N	N/A	11th Gen Core™ i3-1115G4
BNUC11TNKi30Z00	99AT93	None	
BNUC11TNKi30Z01	99AT9C	US	
BNUC11TNKi30Z02	99AT9D	EU	
BNUC11TNHi30Z00	99AT9H	None	
BNUC11TNHi30Z01	99AT9M	US	
BNUC11TNHi30Z02	99AT9N	EU	
BNUC11TNHi30Z06	99AT9P	CN	

Tiger Canyon No Type-C i5 – NUC11TN "Z" i5			
Product Code	MM#	AC Cord (C5)	Processor
BNUC11TNBi50Z00	99AT8P	N/A	11th Gen Core™ i5-1135G7
BNUC11TNKi50Z00	99AT9R	None	
BNUC11TNKi50Z01	99ATA1	US	
BNUC11TNKi50Z02	99ATA3	EU	
BNUC11TNHi50Z00	99ATA4	None	
BNUC11TNHi50Z01	99ATA7	US	
BNUC11TNHi50Z02	99ATAC	EU	
BNUC11TNHi50Z06	99ATAM	CN	
BNUC11TNKv50Z00	99AVJ4	None	11th Gen Core™ i5-1145G7 Intel vPro® Technology

- TGL i3 / i5 / i7 (L6 only) (***1 SKU i5 vPro***)
- Board / Slim / Tall
- I/O: Two HDMI 2.0b ports | Intel® i225-LM Ethernet port | Three USB 3.2 Gen2 type A ports | One USB 2.0 type A port
- EOL 1H'24; Three-Year limited warranty
- Tiger Canyon No Type-C SKUs will be available in addition to regular Tiger Canyon

Intel® NUC Pro Software Suite

Software Robustness for Your Solution

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NPSS ensures **applications stay running** and enables digital signage **player redundancy**, agnostic of CMS package.

Application Monitoring

- Relaunch an application if it unexpectedly quits (“crash“)
- Terminate (and relaunch) an application if it becomes unresponsive (“hang”)
- OS shutdown or restart if target application fails <n> times
- Hardware watchdog timer executes hard system reset if NPSS/system becomes unresponsive
- Log application monitoring activity to log file

Player Failover

- Assess health status of player device
- Broadcast “heartbeat” and keep track of “paired” NUC’s health status
- Take over display of paired NUC if it detects loss of heartbeat
- Retake its own display when affected NUC resumes healthy status
- User-friendly setup via separate Configuration Tool

Intel® NUC Pro

- Intel® NUC 12 Pro NUC12WS
- Intel® NUC 11 Pro NUC11TN

Intel® NUC Compute Elements (U-Series)

- Intel® NUC 12 Compute Element (ELM12HB)
- Intel® NUC 11 Compute Element (CM11EB)
- Intel® NUC 8 Compute Element (CM**CB)
- Intel® NUC Rugged Chassis Element CMCR1ABA/ CMCR1ABB
- Intel® NUC Pro Chassis Element CMCM2FB/ CMCM2FBAV

Available today for Windows and Linux!

https://www.intel.com/content/www/us/en/download/732573/intel-nuc-pro-software-suite.html

Intel® NUC Rugged

Engineered For Robustness

- Fanless / dust-resistant*
- Three-Year product availability
- Customizable IO
- Validated for 24/7 operation and other industry-leading Intel reliability tests
- Board-level robustness against dirty (oscillating) DC input*
- 0-40°C external ambient operating temperature tolerance

*Varies by product

Target Usage Scenarios

Rugged

Visual Solutions

Edge Data Analytics

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Intel® NUC 8 Rugged

"Chaco Canyon"

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Intel® Celeron® Processor N3350 (NUC8CCHKRN)
1.1 GHz to 2.4 GHz Burst, 2 Core, 2 Thread, 2 MB cache,
6W Intel® HD Graphics 500

- **Dual HDMI** (1x HDMI 2.0a, 1x HDMI 1.4), with **built-in CEC for both ports** (Support for single 4k@60Hz or dual 1080@60Hz)
- **IP50 rated fanless and ventless dust-resistant chassis with custom plugs for unused ports**
- **Internal 4-lane eDP connector** (support for up to 4k@60Hz)
- **4GB dual-channel LPDDR3 RAM soldered-down**
- **64GB eMMC** soldered-down; **M.2 2280 key M** slot for PCIe x4 NVMe or SATA SSD
- **Intel® i211-AT** Gigabit Ethernet port
- **Intel® Wireless-AC 3168** M.2 card pre-installed w/internal antennas (kit SKUs only)
- 1x front and 1x rear USB 3.2 Gen 1 type A ports
- 1x internal USB 3.2 Gen 1 header (**host & device modes**)
- 2x rear type A and 2x internal USB 2.0 headers
- **All USB ports with individual USB power control**)
- **1x RS232** serial port header
- Up to 7.1 multichannel digital audio via HDMI
- Front-panel header (incl. Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC transient voltage suppression**
- **Display emulation (headless display, 2nd virtual display, persistent displays)**
- **12 – 24V_{DC} ±5% DC input on rear jack and internal 2x2 power connector**
- **New Watchdog Timer Utility** (for Windows) monitors and restarts unresponsive applications or OS
- Plastic chassis, Kensington* lock with base security, **DC cable strain relief**
  - **0~40degC** external ambient operating temperature
  - 19V_{DC} 65W power supply adapter with geo-specific AC cords (IEC C5 connector)
  - Mounting options: VESA mounting holes built into chassis (for slim profile mounting), **picture frame keyholes, mounting indentations for cable ties**
  - **Front panel expansion bay** (compliant w/ daughtercards from 3rd-party functional lids)
- Chassis dimensions: 154 x 108 x 32 mm; Board dimensions: 146 x 102 mm (**3.5" SBC**)
- Supports Windows 10 IOT Enterprise
  - Support for Microsoft Windows 10 Pro will end with Microsoft EOL
- Compatible with various Linux distros
- Individual brown-box packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ Mini PC	● Kit	○ Chassis	● Board

Click here for Assets

Intel® NUC 8 Rugged

Chaco Canyon Kit – NUC8CCHKRN (Without analog audio codec / line-out jack)			
Product Code	MM#	AC Cord (C5)	Processor
BKNUC8CCHKRN	99AHRH	None	Intel® Celeron N3350
BKNUC8CCHKRN1	99AHRJ	US	
BKNUC8CCHKRN2	99AHRK	EU	
BKNUC8CCHKRN4	99AHRM	AU	

Intel® NUC 8 Rugged

"Chaco Canyon" Board

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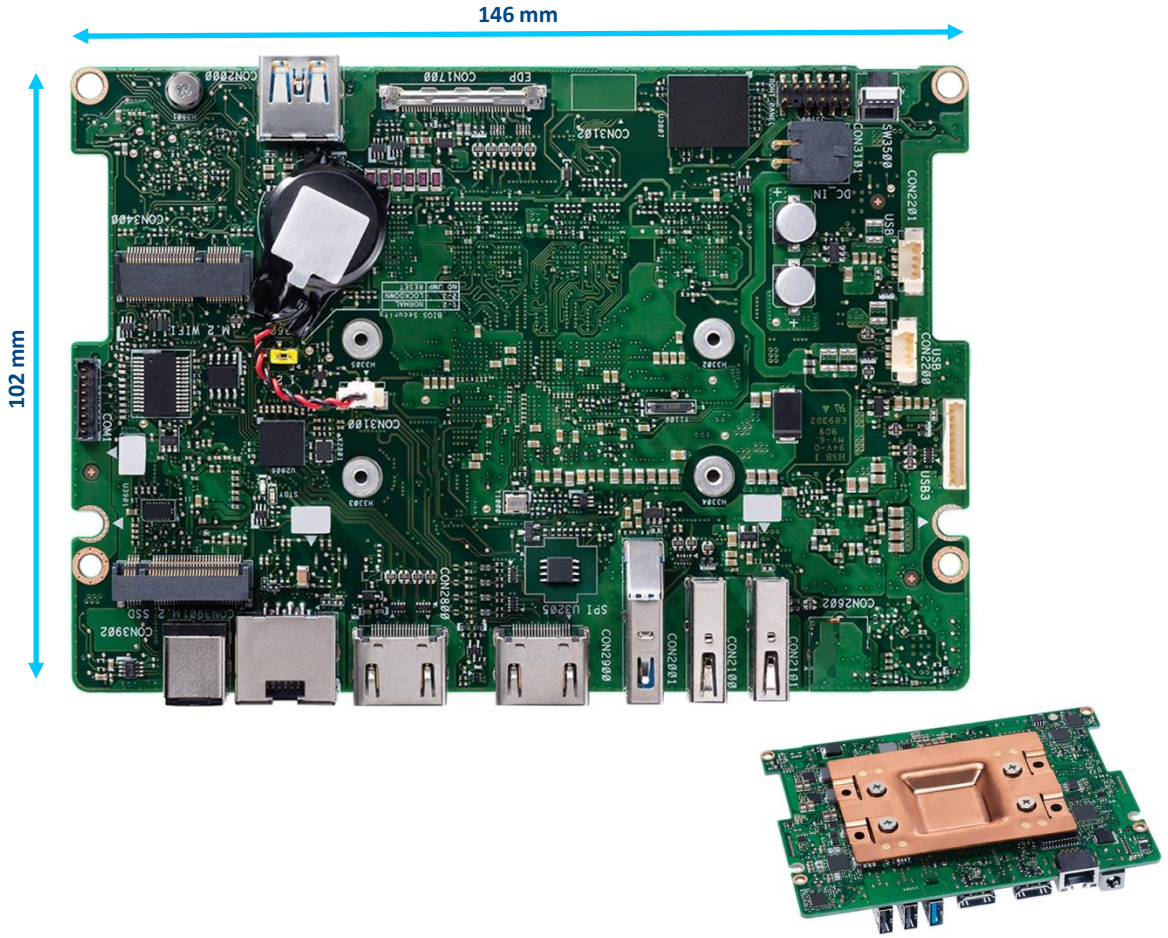
Intel® Celeron® Processor N3350 (NUC8CCHBN)
1.1 GHz to 2.4 GHz Burst, 2 Core, 2 Thread, 2 MB cache,
6W Intel® HD Graphics 500



- **Dual HDMI** (1x HDMI 2.0a, 1x HDMI 1.4), with **built-in CEC for both ports** (Support for single 4k@60Hz or dual 1080@60Hz)
- **Internal 4-lane eDP connector** (support for up to 4k@60Hz)
- **4GB dual-channel LPDDR3 RAM soldered-down**
- **64GB eMMC** soldered-down; **M.2 2280 key M** slot for PCIe x4 NVMe or SATA SSD
- **Intel® i211-AT** Gigabit Ethernet port
- **M.2 2230 key E** slot for Intel® Wireless-AC 3168 card (sold separately)
- 1x front and 1x rear USB 3.2 Gen 1 type A ports
- 1x internal USB 3.2 Gen 1 header (**host & device modes**)
- 2x rear type A and 2x internal USB 2.0 headers
- **All USB ports with individual USB power control**
- **1x RS232** serial port header
- Up to 7.1 multichannel digital audio via HDMI
- Front-panel header (incl. Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC transient voltage suppression**
- **Display emulation (headless display, 2nd virtual display, persistent displays)**
- **12 – 24V_{DC} ±5% DC input on rear jack and internal 2x2 power connector**
- **New Watchdog Timer Utility** monitors and restarts unresponsive applications or OS
- Board dimensions: 146 x 102 mm (**3.5" SBC**)
- Supports Microsoft Windows* 10 Pro, Windows 10 IOT Enterprise
- Compatible with various Linux distros
- 5-pack bulk packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	○ Chassis	● Board

Intel® NUC 8 Rugged

Chaco Canyon Board – NUC8CCHB (Without analog audio codec / line-out jack)	
Product Code	MM#
BKNUC8CCHBN	99AHRR

Intel® NUC 8 Rugged Chassis Element (U-Series)

"Austin Beach Expandable" Chassis

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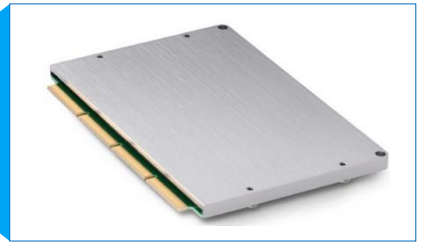
Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay, Hard Bay, and Icon Bay Compute Elements are supported in the Austin Beach Expandable chassis.



- **Requires Intel® NUC Compute Element**
- **Fanless, dust-resistant chassis with I/O board installed; preliminary IP50 rating**
- Design implementation: **Expandable** (CMCR1ABA)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Two HDMI 2.0a** ports with **built-in CEC**, plus internal **4-lane eDP** interface
  - Support for dual 4k@60Hz via HDMI 2.0a, plus additional 4k@60 via eDP
- **Intel® Optane™ Memory H10 with Solid State Storage** ready
- **Intel® i219-LM** Gigabit Ethernet port
- 1x front and 2x rear **USB 3.2 Gen2** type A ports, 1x internal USB 3.2 Gen 1 header
- 1x front type A and 2x internal USB 2.0 headers
- 2x **RS232** serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack, internal 2x2 power connector
- Metal chassis, Kensington* lock with base security
  - **0~40degC** external ambient operating temperature
  - 19V_{DC} 90W power supply adapter with geo-specific AC cords (IEC C5 connector)
  - VESA mounting plate included, with mechanical support for power supply adapter
  - External dipole antennas
  - Internal expansion bay via backpanel (2x DB9 punched bracket pre-installed)
  - Chassis dimensions: 254 x 152.4 x 36 mm (plus additional 4.8mm of rubber feet height)
- Microsoft Windows 11, Microsoft Windows 10, Windows 10 IOT Enterprise, compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite**
- Individual brown-box packaging
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	● Chassis	● Board

Intel® NUC 8 Rugged Chassis Element (U-Series)

"Austin Beach Dual LAN" Chassis

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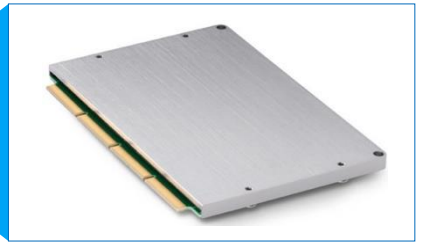
Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay, Hard Bay, and Icon Bay Compute Elements are supported in the Austin Beach Dual LAN chassis.



- **Requires Intel® NUC Compute Element**
- **Fanless, dust-resistant chassis with I/O board installed; preliminary IP50 rating**
- Design implementation: **Dual LAN** (CMCR1ABB)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Two HDMI 2.0a** ports with **built-in CEC**
  - Support for dual 4k@60Hz via HDMI 2.0a
- **Intel® Optane™ Memory H10 with Solid State Storage** ready
- **Dual Gigabit Ethernet: Intel® i219-LM and Intel® i211-AT ports**
- 1x front and 2x rear **USB 3.2 Gen2** type A ports, 1x internal USB 3.2 Gen 1 header
- 1x front and 2x rear type A USB 2.0 ports
- 2x **RS232** serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack, internal 2x2 power connector
- Metal chassis, Kensington* lock with base security
  - **0~40degC** external ambient operating temperature
  - 19V_{DC} 90W power supply adapter with geo-specific AC cords (IEC C5 connector)
  - VESA mounting plate included, with mechanical support for power supply adapter
  - External dipole antennas
  - Chassis dimensions: 254 x 152.4 x 36 mm (plus additional 4.8mm of rubber feet height)
- Microsoft Windows 11, Microsoft Windows 10, Windows 10 IOT Enterprise, compatible with various Linux distros
- **Supported by Intel® NUC Pro Software Suite**
- Individual brown-box packaging
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	● Chassis	● Board

Intel® NUC 8 Rugged Chassis Element (U-Series)

"Austin Beach Multi HDMI" Chassis

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Support for Intel® NUC Compute Element

All Chandler Bay and Elk Bay Compute Elements are supported in the Austin Beach Multi HDMI chassis.

- **Requires Intel® NUC Compute Element**
- **Fanless, dust-resistant chassis with I/O board installed; preliminary IP50 rating**
- Design implementation: **Multi HDMI** (CMCR1ABC)
- **Dual M.2 22x80 key M** slots for PCIe x4 NVMe and SATA SSDs
- **Six HDMI ports (2x HDMI 2.0a, 4x HDMI 1.4)** with **built-in CEC for all ports**
  - Support for dual 4k@60Hz or dual triple-wide 5760x1080 screens
- **Intel® Optane™ Memory H10 with Solid State Storage** ready
- **Intel® i219-LM** Gigabit Ethernet port
- 1x front and 2x rear **USB 3.2 Gen2** type A ports, 1x internal USB 3.2 Gen 1 header
- 1x front type A and 2x internal USB 2.0 headers
- 2x **RS232** serial port headers
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC overvoltage protection**
- **Display emulation** (headless display, virtual display, persistent displays)
- 12 – 24V_{DC} rear jack, internal 2x2 power connector
- Metal chassis, Kensington* lock with base security
  - **0~40degC** external ambient operating temperature
  - 19V_{DC} 90W power supply adapter with geo-specific AC cords (IEC C5 connector)
  - VESA mounting plate included, with mechanical support for power supply adapter
  - External dipole antennas
  - Chassis dimensions: 254 x 152.4 x 36 mm (plus additional 4.8mm of rubber feet height)
- Microsoft Windows 10, Windows 10 IOT Enterprise, compatible with various Linux distros
- Individual brown-box packaging
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	● Chassis	● Board

Intel® NUC Rugged Chassis Element (U-Series)

Austin Beach Chassis		
Product Code	MM#	MM#
BKCMCR1ABA	999M8V	Rugged Chassis: "Expandable" w/no cord
BKCMCR1ABA1	999M93	Rugged Chassis: "Expandable" w/US cord
BKCMCR1ABA2	999M95	Rugged Chassis: "Expandable" w/EU cord
BKCMCR1ABB	999M96	Rugged Chassis: "Dual LAN" w/no cord
BKCMCR1ABB1	999M97	Rugged Chassis: "Dual LAN" w/US cord
BKCMCR1ABB2	999M98	Rugged Chassis: "Dual LAN" w/EU cord
BKCMCR1ABC	999M9A	Rugged Chassis: "Multi HDMI" w/no cord
BKCMCR1ABC1	999M9C	Rugged Chassis: "Multi HDMI" w/US cord
BKCMCR1ABC2	999M9D	Rugged Chassis: "Multi HDMI" w/EU cord

Intel® NUC Essential

Cost-Efficient With Intel® Reliability & Quality

- Choose Intel® Celeron or Pentium
- Space saving @ 0.53-0.65L volume
- Windows 10 Home preinstalled*
- 4K @ 60 Hz with UHD*

*Varies by product

Target Usage Scenarios

Kids
Productivity

Streaming

Entry
Signage

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Intel® NUC 11 Essential

"Atlas Canyon"

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Intel® Pentium® Silver N6005 (NUC11ATKPE)
2.0 GHz – 3.3 GHz burst, 4 core, 4 thread, **15W**
Intel® UHD Graphics, 450 – 900 MHz burst

Intel® Celeron® N5105 (NUC11ATKC4)
2.0 GHz - 2.9 GHz burst, 4 core, 4 thread, **15W**
Intel® UHD Graphics, 450 – 800 MHz burst

Intel® Celeron® N4505 (NUC11ATKC2)
2.0 GHz - 2.9 GHz burst, 2 core, 2 thread, **10W**
Intel® UHD Graphics, 450 – 750 MHz burst

- **Dual-channel DDR4-2933 SODIMM slots**, 1.2V, 32GB maximum
- **1x HDMI 2.0b** and **1x DisplayPort 1.4**, both ports support HDCP 2.2
- **Supports dual 4K displays**
- **M.2 22x80 key M** slot for PCIe x2 NVMe and SATA SSDs
- **Select SKUs with 64GB** eMMC Storage
- **1x Gigabit Ethernet** port
- **Intel® Wireless-AC 9462 M.2 card**, dual-band 1x1 w/ diversity + **Bluetooth® v5.1**, internal antennas
- **2x front USB 3.2 Gen 1**, **2x rear USB 3.2 Gen2**, and **2x rear USB 2.0**
- Up to 7.1 multichannel digital audio via HDMI
- 3.5mm front stereo jack, 3.5mm front microphone jack
- Plastic with metal inner frame, Kensington* lock with base security
- 135 x 115 x 36 mm
- 19VDC 65W power supply with geo-specific C5 AC cords
- Microsoft Windows* 11 logo'd; compatible with various Linux distros
- **External 9-pin Front Panel Header**
- Mounting options: VESA mounting holes built into chassis (for slim profile mounting), **picture frame keyholes, mounting indentations for cable ties**
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	Mini PC	Kit	Chassis	Board
	●	●	○	●

Intel® NUC 11 Essential

"Atlas Canyon" Board

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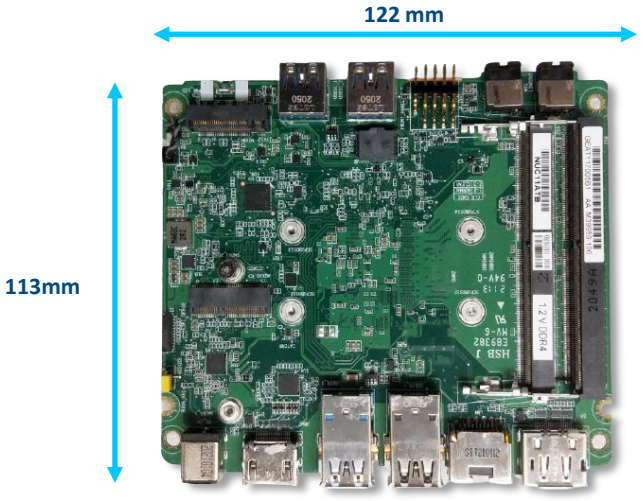
Intel® Celeron® N5105 (NUC11ATKC4)
2.0 GHz - 2.9 GHz burst, 4 core, 4 thread, **15W**
Intel® UHD Graphics, 450 – 800 MHz burst



- **Dual-channel DDR4-2933 SODIMM slots**, 1.2V, 32GB maximum
- **1x HDMI 2.0b** and **1x DisplayPort 1.4**, both ports support HDCP 2.2
- **Supports dual 4K displays**
- **M.2 22x80 key M** slot for PCIe x4 NVMe and SATA SSDs
- **M.2 2230 key E** slot for Intel® Wireless-AC 9462 card (sold separately)
- **64GB** eMMC Storage
- **1x Gigabit Ethernet port**
- **2x front USB 3.2 Gen 1**, **2x rear USB 3.2 Gen2**, and **2x rear USB 2.0**
- Up to 7.1 multichannel digital audio via HDMI
- 3.5mm front stereo jack, 3.5mm front microphone jack
- Approximately 122 x 113 mm
- Microsoft Windows* 11 logo'd; compatible with various Linux distros
- **External 9-pin Front Panel Header**
- **Three-Year product availability**
- **Three-Year limited warranty**

Available SKUs	○ Mini PC	○ Kit	○ Chassis	● Board

Intel® NUC 11 Essential

Atlas Canyon L6 Kits

Product Code	MM#	AC Cord (C5)	Processor
Atlas Canyon Pentium Silver N6005 Kit – NUC11ATKPE			
BNUC11ATKPE0000	99ANTF	No Cord	Intel® Pentium® Silver N6005
BNUC11ATKPE000U	99C401	US (USA customers only)	
BNUC11ATKPE0001	99ANTG	US	
BNUC11ATKPE0002	99ANTH	EU	
BNUC11ATKPE0003	99ANTJ	UK	
BNUC11ATKPE0004	99ANTK	AU	
BNUC11ATKPE0006	99ANTM	CN	
Atlas Canyon Celeron N5105 Kit – NUC11ATKC4			
BNUC11ATKC40000	99ANTP	No Cord	Intel® Celeron® N5105
BNUC11ATKC4000U	99C402	US (USA customers only)	
BNUC11ATKC40001	99ANTR	US	
BNUC11ATKC40002	99ANTT	EU	
BNUC11ATKC40003	99ANTV	UK	
BNUC11ATKC40004	99ANTW	AU	
BNUC11ATKC40006	99ANTX	CN	
Atlas Canyon Celeron N4505 Kit – NUC11ATKC2			
BNUC11ATKC20000	99ANV0	No Cord	Intel® Celeron® N4505
BNUC11ATKC2000U	99C403	US (USA customers only)	
BNUC11ATKC20001	99ANV1	US	
BNUC11ATKC20002	99ANV2	EU	
BNUC11ATKC20003	99ANV3	UK	
BNUC11ATKC20004	99ANV4	AU	
BNUC11ATKC20006	99ANV5	CN	

Atlas Canyon L8 Kits

Product Code	MM#	AC Cord (C5)	Processor, Storage
BNUC11ATKPE0S00	99ANTN	No Cord	Intel® Pentium® Silver N6005, 64GB eMMC
BNUC11ATKC40S00	99ANTZ	No Cord	Intel® Celeron® N5105, 64GB eMMC
BNUC11ATKC20S00	99ANV6	No Cord	Intel® Celeron® N4505, 64GB eMMC

Atlas Canyon L10 Mini PCs

Product Code	MM#	AC Cord (C5)	Processor, RAM, Storage, OS
Atlas Canyon Celeron Mini PC – NUC11ATKC2			
BNUC11ATKC20RA0	99ANVP	No Cord	Intel® Celeron® N4505, 4GB DDR4, 64GB eMMC, Windows 11 Home in S Mode
BNUC11ATKC20RAU	99C404	US (USA customers only)	
BNUC11ATKC20RA1	99ANVR	US	
BNUC11ATKC20RA2	99ANW0	EU	
BNUC11ATKC20RA3	99ANW1	UK	
BNUC11ATKC20RA4	99ANW2	AU	
BNUC11ATKC20RA6	99ANW3	CN	

Atlas Canyon Board – NUC11ATBC4

Product Code	MM#	AC Cord (C5)	Processor, Storage
BNUC11ATBC40S00	99ANW4	No Cord	Intel® Celeron® N5105, 64GB eMMC

Intel® NUC 7 Essential

"June Canyon"

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Intel® Pentium® Silver J5040 (NUC7PJYN)
2.0 GHz – 3.2 GHz burst, 4 core, 4 thread, 4MB Cache, **10W**
Intel® UHD Graphics 605, 800 MHz

Intel® Celeron® J4025 (NUC7CJYN)
2.0 GHz - 2.9 GHz burst, 2 core, 2 thread, 4MB Cache, **10W**
Intel® UHD Graphics 600, 700 MHz

- **Dual-channel DDR4-2400 SODIMM slots**, 1.2V, 8GB maximum
- **2.5" 9.5mm SATA3 bay and port**
- **2x HDMI 2.0a** (4K 60Hz), both ports support HDCP 2.2
- **Supports dual 4K displays**
- **1x Gigabit Ethernet** port
- **Intel® Wireless-AC 9462** soldered-down, dual-band 1x1 w/ diversity + **Bluetooth® v5.1**, internal antennas
- 2x front USB 3.2 Gen 1 (one charging), 2x rear USB 3.2 Gen 1, and 2x internal USB 2.0 via header
- Up to 7.1 multichannel digital audio via HDMI
- Front Consumer Infrared port
- SDXC slot with UHS-I support
- Plastic with metal inner frame, replaceable lid, Kensington* lock with base security
- 115 x 111 x 51 mm
- 12 – 19V_{DC} input range, 19VDC 65W power supply with geo-specific C5 AC cords
- Front Panel, CEC, RGB LED, 2x USB2.0 headers
- Microsoft Windows* 11, Microsoft Windows* 10 logo'd; Certified with Ubuntu 16.04 LTS; compatible with various Linux distros
- Front panel status RGB LED
- VESA mounting plate included
- Individual retail packaging
- **Three-Year limited warranty**

Available SKUs	Mini PC	Kit	Chassis	Board

Intel® NUC 7 Essential

June Canyon Mini PC Ordering Codes – NUC7CJYSAMN (Without analog audio codec / line-out jack & digital mics)						
Product Code	MM#	AC Cord (C5)	Processor	RAM	Storage	OS
BOXNUC7CJYSAMN	99AHT5	None	Intel® Celeron® J4025	4GB DDR4	64GB eMMC	Win10 Home in S Mode
BOXNUC7CJYSAMN1	99AHT6	US				
BOXNUC7CJYSAMN2	99AHT7	EU				

June Canyon Pentium Kit Ordering Codes – NUC7PJYHN (Without analog audio codec / line-out jack & digital mics)			
Product Code	MM#	AC Cord (C5)	Processor
BOXNUC7PJYHN	99AHT2	None	Intel® Pentium® Silver J5040
BOXNUC7PJYHN1	99AHT3	US	
BOXNUC7PJYHN2	99AHT4	EU	

June Canyon Celeron Kit Ordering Codes – NUC7CJYHN (Without analog audio codec / line-out jack & digital mics)			
Product Code	MM#	AC Cord (C5)	Processor
BOXNUC7CJYHN	99AHRV	None	Intel® Celeron® J4025
BOXNUC7CJYHN1	99AHRW	US	
BOXNUC7CJYHN2	99AHRX	EU	
BOXNUC7CJYHN3	99AHRZ	UK	
BOXNUC7CJYHN4	99AHT0	AU	
BOXNUC7CJYHN5	99AHT1	IN	

Intel® NUC Extreme Laptop Kit

Premium Thin and Light Extreme for the Channel

- 12th Intel® Core™ i7 processor
- Latest Intel® Arc™ Graphics
- RGB Backlit Keyboard
- Thunderbolt™ Technology
- Intel® Two-Year limited warranty (Intel® NUC X15 Laptop)

*Varies by product

Target Usage Scenarios

Gaming

Content Creation

Productivity

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Intel® NUC X15 Laptop Kit

"Alder County"

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12th Generation Intel® Core™ i7-12700H
Up to 4.7 GHz Turbo Boost Max, 6P+8E cores, 20 threads, 24MB Intel® Smart Cache, **45W**
Intel® Iris® Xe Graphics eligible, up to 1.40 GHz

Discrete Graphics Options:
Intel® Arc™ A730M Graphics w/ 12GB DDR6
Intel® Arc™ A550M Graphics w/ 8GB DDR6

- **15.6" Narrow Bezel** IPS 16:9 ratio, **FHD 144Hz**
- Anodized Aluminum with plastic D-panel Chassis in Black
- **Dual-channel DDR5-4800 SODIMM slots, 64GB** maximum
- 1x **M.2 22x80** slot for PCIe x4 Gen4 NVMe and 1 **M.2 22x80** slot for PCIe x4 Gen3 NVMe or SATA SSD
- 1x **Thunderbolt™ 4** / **USB4** Type-C port with **DisplayPort 1.4b**
- **Full-Size HDMI 2.1 TMDS Compatible** port
- **Intel® Wi-Fi 6 AX201,** 802.11ax 2x2 2.4Gbps + **Bluetooth® v5.2 w/ Bluetooth® Audio offload**
- **1x 2.5 Gb Ethernet** port
- 3x **USB 3.2 Gen 1** Type-A ports
- 3.5mm stereo headset jack
- **Premium Intel® HD Audio**
- Kensington* Lock
- **RGB Membrane Keyboard**
- 358.26 mm x 235 mm x **22.2 mm, <2.20kg**
- **L6 SKUs** – require memory, storage, and OS
- **Two-year Warranty (One-year Battery Warranty)**

Better	Best
FHD 144Hz 72% NTSC	
I7-12700H	
Intel® Arc™ A550M	Intel® Arc™ A730M
62Whr Battery	
HD + IR Camera w/ 2 mics, Windows Hello	
Glass Touch Pad	
180W Power Adapter	230W Power Adapter

Available SKUs	○ Laptop	● Laptop Kit	○ Chassis	○ Compute Element

Intel® NUC X15 Laptop Kit L6 SKUs

Product Code	MM#	CPU	GPU	Display	Memory	Storage	OS	Color	Keyboard L ayout	Power Adapter	Power Cord	Regulatory
BAC71GBBU6000	99ANLT	Intel® Core™ i7-12700H	Intel® Arc™ A550M	FHD 144Hz 72% NTSC	None	None	None	Black	US	180W	None	Argentina, Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Malta, Mexico, Netherlands, New Zealand, Norway, Pakistan, Poland, Portugal, Romania, Singapore, Slovakia, Slovenia, Spain, Sweden, Switzerland, Taiwan, Turkey, UK, US
BAC71HBBU6000	99C2JP		Intel® Arc™ A730M						US	230W		

Intel® NUC Performance Laptop Kit

Premium Performance for the Channel

- EVO Branded Laptops
- Intel® Core™ i7 and i5 processors
- 12th Gen with Xᵉ Graphics Architecture
- CNC Anodized Aluminum Chassis (14.9mm, 1.65kg)
- Thunderbolt™ 4 Technology (USB4, power port)
- All day battery life for productivity, media consumption, mobile creators and casual gaming
- Intel® Two-Year limited warranty

Adaptive Usages:

- Wake on Approach
- Walk Away Lock
- No Lock on Presence

*Varies by product

Target Usage Scenarios

Productivity

Content Creation

Casual Gaming

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Intel® NUC M15 Laptop Kit

"Rooks County"

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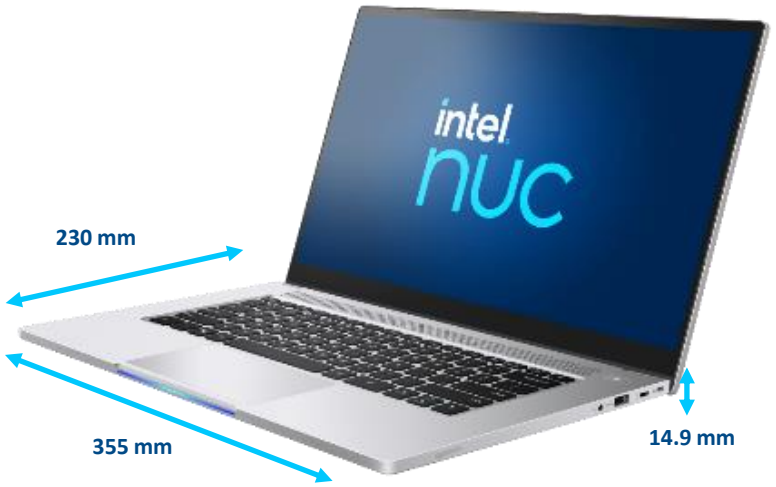
12th Generation Intel® Core™ i7-1260P
12 Processor Cores (4P+8E), 16 threads, 18MB Intel® Smart Cache, 28W TDP (P-Cores Up to 4.7 GHz Turbo, E-Cores: Up to 3.4GHz Turbo)
Intel® Iris® Xᵉ Graphics, Up to 1.4GHz

12th Generation Intel® Core™ i5-1240P
12 Processor Cores (4P+8E), 16 threads, 12MB Intel® Smart Cache, 28W TDP (P-Cores Up to 4.4GHz Turbo, E-Cores: Up to 3.3GHz Turbo)
Intel® Iris® Xe Graphics, Up to 1.3GHz



- **EVO SKUs Available**
- **15.6" CNC Anodized Aluminum Chassis** in Midnight Black or Shadow Gray
- **Narrow Bezel** IPS 16:9 ratio, **FHD 60Hz touch,** and non-touch options
- **Dual-channel 16GB LPDDR5 5200MHz**
- 1x **M.2 22x80** slot for PCIe x4 Gen4 NVMe
- 2x **Thunderbolt™ 4** / **USB4** Type-C ports with **DisplayPort 1.4b** Connectivity
- **Full-Size HDMI 2.0b** port
- **Intel® Wi-Fi 6E AX211,** 802.11ax 2x2 2.4Gbps w/ 6GHz + **Bluetooth® v5.2 w/ Bluetooth® Audio offload**
- 2x **USB 3.2 Gen2** Type-A ports
- 3.5mm stereo headset jack
- **Intel® HD Premium Audio**
- HD IR Camera with support for Windows* Hello
- Kensington NanoSaver* Lock
- **Membrane Backlit Keyboard**
- **RGB Light Bar** with support for Alexa personal voice assistant
- **Glass Click Pad** with Microsoft* Precision Drivers, disable/enable LED indicator
- **73Whr Battery** with fast charging support
- 355 mm x 230 mm x **14.9 mm, <1.7kg**
- **L7 SKUs** – require storage and OS
- **EVO Branded L10 SKUs** – requires LOEM branded customization
- **Compact 65W USB-C Power Adapter** with USB-IF Certification and geo-specific C5 AC cords
- **Two-Year limited warranty (One-Year battery warranty)**

Available SKUs	EVO	Laptop Kit	Chassis	Compute Element
	●	●	○	○

Intel® NUC M15 Laptop Kit L7 SKUs

Product Code	MM#	CPU	Display	Memory	Color	Keyboard Layout	Power Cord (C5)	Regulatory
BRC710BCG7B02	99AMP7	Intel® Core™ i7-1260P	1080p + Touch	16GB	Midnight Black	German	EU	Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Malta, Mexico, Netherlands, New Zealand, Norway, Pakistan, Poland, Portugal, Romania, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Taiwan, Turkey, UK, US

Intel® NUC M15 Laptop Kit L10 EVO SKUs

Product Code	MM#	CPU	Display	Memory	Color	Storage	OS	Keyboard Layout	Power Cord (C5)	Regulatory
BRC510EAUXBC1	99AMNA	Intel® Core™ i5-1240P	1080p	16GB	Shadow Gray	512GB	Win11 Home	US	US	Australia, Austria, Belgium, Bulgaria, Canada, China, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Latvia, Lithuania, Luxembourg, Malta, Mexico, Netherlands, New Zealand, Norway, Pakistan, Poland, Portugal, Romania, Singapore, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Taiwan, Turkey, UK, US
BRC510BAUXBC1	99C6HV				Midnight Black					
BRC710ECUXBD1	99AMRA	Intel® Core™ i7-1260P	1080p + Touch		Shadow Gray	1TB				
BRC710BAUXBD1	99C6JZ		1080p		Midnight Black					

Intel® NUC Pro Laptop Kit

Built for Business and Education

- Wide range of CPU, Memory, and Intel vPro® options
- CNC Anodized Aluminum Chassis
- Thunderbolt™ 4 Technology
- All day battery life on beautiful IPS display w/ touch (13.9”)
- Adaptive Usages: Wake on Approach, Walk Away Lock, and No Lock on Presence
- Intel® Two-Year limited warranty

*Varies by product

Leverages Intel® NUC Compute Element

(U-Series)

Target Usage Scenarios

Small Medium Business

Content Creation

Education

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Intel® NUC P14E Laptop Element

"Camden County"

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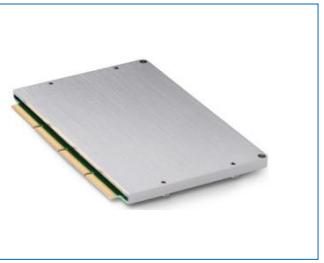
Support for Intel® NUC Compute Element (U-series)
All **Elk Bay, Hard Bay, and Icon Bay** Compute Elements are supported in Camden County (Core i7 vPro, Core i7, Core i5 vPro, Core i5, Core i3, Celeron)



- **13.9” CNC Anodized Aluminum Chassis** in Dark Gray
- **Narrow Bezel** IPS 3:2 ratio, **3000x2000 pixel, 400nit, 100% sRGB, w/ touch**
- **Up to 11th Generation Intel® Core™ i7-1185G7 processor** (from Elk Bay)
- **Up to 12th Generation Intel® Core™ i7-1265U processor** (from Hard Bay)
- **Up to 13th Generation Intel® Core™ i7 processor** (from Icon Bay)
- **Dual-channel 4GB to 16GB LPDDR4x** dual-channel Memory (from Elk Bay)
- **Dual-channel 8GB to 32GB LPDDR5** dual-channel Memory (from Hard Bay & Icon Bay)
- **1x M.2 22x80** slot for PCIe x4 Gen4 NVMe
- **Full Size HDMI 2.0b** port and **Mini DP DisplayPort 1.4a**
- **1x Thunderbolt™ 4 / USB4** Type-C port
- **1x Gigabit Ethernet port**
- **Intel® Wi-Fi 6 AX201, 802.11ax 2x2 2.4Gbps** + Bluetooth® 5.2 (from Elk Bay)
- **Intel® Wi-Fi 6E AX211, 802.11ax 2x2 2.4Gbps w/ 6GHz** + Bluetooth® 5.2 (from Hard Bay & Icon Bay)
- **2x USB 3.2 Gen2** Type-A ports
- 3.5mm stereo headset jack
- **Intel® HD Premium Audio**
- HD IR Camera with support for Windows Hello
- **Fingerprint Reader**
- Voice Assistant support for Cortana and Alexa
- Kensington NanoSaver* Lock
- **Membrane Backlit Keyboard w/ Pointing Stick**
- **RGB Light Bar** with support for personal assistant
- **Glass Click Pad** with Microsoft Precision Drivers
- **77Whr Battery** with fast charging support
- **16.5 mm thin, 1.5kg**
- **L4 SKUs** – requires Compute Element, storage and OS
- Microsoft Windows 11, Microsoft Windows 10
- **Compact 65W USB-C Power Adapter** with USB-IF Certification and geo-specific C5 AC cords
- **MIL-STD-810G tested**
- **Two-Year limited warranty (One-Year battery warranty)**

Available SKUs	○ Laptop	○ Laptop Kit	● Chassis	○ Compute Element

Intel® NUC P14E Laptop Element SKUs

Camden County L4 Laptop Element		
Product Code	MM#	Description
BKCMCN1CC1DU1	99AGK6	L4, Dark Gray, US English ANSI Keyboard, US Cord
BKCMCN1CC1DJ9	99AGK8	L4, Dark Gray, Japanese JIS Keyboard, JP Cord
BKCMCN1CC1DK3	99AGKF	L4, Dark Gray, UK English ISO Keyboard, UK Cord
BKCMCN1CC1DG2	99AGKH	L4, Dark Gray, German ISO Keyboard, EU Cord
BKCMCN1CC1DI2	99AGKJ	L4, Dark Gray, Italian ISO Keyboard, EU Cord
BKCMCN1CC1DF2	99AGKK	L4, Dark Gray, French ISO Keyboard, EU Cord
BKCMCN1CC1DL1	99AGKM	L4, Dark Gray, LAR Spanish ISO Keyboard, US Cord
BKCMCN1CC1DU4	99AGKN	L4, Dark Gray, US ANSI Keyboard, AU Cord
BKCMCN1CC1DU6	99AGKP	L4, Dark Gray, US ANSI Keyboard, CN Cord
BKCMCN1CC1DB2	99C04L	L4, Dark Gray, Blank ISO Keyboard, EU Cord

Accessories for Intel® NUC

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I/O Add-ons and Power Adapters for Intel® NUC

I/O Add-On Assemblies			
Name	Compatible Products	Product Code	MM#
LAN & USB Add-On Assembly Accessory	Intel NUC 12 Pro (Tall only) Intel NUC 11 Pro (Tall only)	NUCIOALUWS	99C4JW

Images shown are only a representation

AC Adapters (no power cord)			
Name	Compatible Products	Product Code	MM#
120W Desktop AC Adapter Accessory	Intel NUC 12 Pro Intel NUC 11 Pro	NUCADP12WS	99C4JT

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Bulk AC Cords

- All new NUC families shipping Q3'2017 and later include a corded power-brick AC adapter, instead of the wall-wart adapter with replaceable plugs. Each NUC SKU will either include one SKU-specific AC cord, or no AC cord (just the power adapter). Refer to the Ordering Codes table shown in the one-pagers for details on each SKU, and the cord type required (C5 or C13).
- NUC SKUs with US, EU, UK, AU, and CN cords included are immediately available, at order quantity in multiples of 5
- For orders that require IN, AR, BR, JP/TW, and ZA AC cords, the no-cord SKU must be ordered along with the appropriate AC cord below. As with NUC SKUs, the AC cord SKUs also come in 5-packs.
- To determine the AC cord type required, please refer to the product's one-pager in this roadmap deck

AC Cord Ordering Codes – C5 Type			
Length	Plug Type	Product Code	MM#
0.6 m / 2 ft.	India	AC06C05IN	962133
	China	AC06C05CN	962138
	Argentina	AC06C05AR	962140
	Japan / Taiwan	AC06C05JP	962141
	Brazil	AC06C05BR	962142
	South Africa	AC06C05ZA	962143
	Switzerland	AC06C05CH	962982
	USA	AC06C05US	979493
	EU	AC06C05EU	979494
	UK	AC06C05UK	979495
	AU	AC06C05AU	979504

AC Cord Ordering Codes – C13 Type			
Length	Plug Type	Product Code	MM#
0.6m / 2 ft.	India	AC06C13IN	976384
	China	AC06C13CN	976385
	Argentina	AC06C13AR	976386
	Japan / Taiwan	AC06C13JP	976387
	Brazil	AC06C13BR	976388
	South Africa	AC06C13ZA	976389
	Switzerland	AC06C13CH	976390
	USA	AC06C13US	979516
	EU	AC06C13EU	979535
	UK	AC06C13UK	979536
	AU	AC06C13AU	979537
1.8m / 6 ft.	USA	AC18C13US	99AAVT
	EU	AC18C13EU	99AAVV
	UK	AC18C13UK	99AAVW
	AU	AC18C13AU	99AAVX
	India	AC18C13IN	99AAW2
	China	AC18C13CN	99AAW3
	Argentina	AC18C13AR	99AAW4
	Japan / Taiwan	AC18C13JP	99AAW5
	Brazil	AC18C13BR	99AAW6
	South Africa	AC18C13ZA	99AAW7
	Switzerland	AC18C13CH	99AAW9

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intel

Resources

- **Technical Product Specification**
  https://www.intel.com/content/www/us/en/support/articles/000005545/intel-nuc.html
- **Elements-U Product Specs**
  https://www.intel.com/content/www/us/en/support/articles/000055720/intel-nuc/intel-nuc-elements.html
- **Regulatory**
  https://www.intel.com/content/www/us/en/support/articles/000006130/intel-nuc.html
- **Supported OS for Intel® NUCs**
  https://www.intel.com/content/www/us/en/support/articles/000005628/mini-pcs.html
- **Mechanical Drawings for Intel® NUCs**
  https://www.intel.com/content/www/us/en/support/articles/000006820/mini-pcs.html
- **Technical Product Spec's documents for Intel® NUCs**
  https://www.intel.com/content/www/us/en/support/articles/000005545/mini-pcs.html
- **Access and download the latest drivers and BIOS for our Intel® NUCs**
  https://downloadcenter.intel.com/
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  https://www.intel.com/content/www/us/en/support/contact-support.html
- **Intel® NUC Compatible chassis and products**
  https://www.intel.com/content/www/us/en/products/docs/boards-kits/nuc/nuc-ecosystem-enabling-technical-spec.html

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