

intel[®] nuc

Intel[®] NUC Product Catalog

February 2023



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Intel® NUC Roadmap

Intel® NUC Products
Intel® NUC Element Products

1H'23		2H'23		1H'24		FAMILY ▼
Q1	Q2	Q3	Q4	Q1	Q2	
Intel® NUC 13 Extreme "Raptor Canyon" (13 th Gen Core™ i9K, i7K, i5K, 125W, PCIe x16, 13.9L, Kit)						EXTREME
Intel® NUC 13 Extreme Compute Element "Shrike Bay" (13 th Gen Core™ i9K, i7K, i5K, i9KF, i7KF, i5KF, 125W)						
Intel® NUC 12 Extreme "Dragon Canyon" (12 th Gen Core™ i9, i7, 65W, PCIe x16, 8L, Kit)						EXTREME
Intel® NUC 12 Extreme Compute Element "Eden Bay" (12 th Gen Core™ i9, i7, 65W)						
Intel® NUC 12 Enthusiast "Serpent Canyon" (12 th Gen Core™ i7, Intel® Arc™ A770M Graphics, Mini PC, Kit)						ENTHUSIAST
Intel® NUC 12 Pro "Wall Street Canyon" (12 th Gen Core™ i7, i5, i3, 0.5 & 0.7L, Mini PC, Kit, & Board)						PERFORMANCE
Intel® NUC 11 Pro "Tiger Canyon" (11 th Gen Core™ i7, i5, i3, 0.5 & 0.7L, Kit & Board)						
Intel® NUC 11 Performance "Panther Canyon Lite" (11 th Gen Core™ i7, i5, i3, 0.5 & 0.7L, Kit)						
Intel® NUC 10 Performance "Frost Canyon" (10 th Gen Core™ i7, i5, i3, 0.5 & 0.7L, Kit)						
Intel® NUC 11 Essential "Atlas Canyon" (Intel® Pentium® Silver, Intel® Celeron®, 0.55L, Mini PC & Kit)						ESSENTIAL

Intel® NUC Roadmap, continued

Intel® NUC Products
 Intel® NUC Element Products

1H'23		2H'23		1H'24		FAMILY ▼
Q1	Q2	Q3	Q4	Q1	Q2	
Intel® NUC 12 Pro X "Dragon Canyon Pro" (12 th Gen Core™ i9 vPro, i7 vPro®, PCIe x16, 8L, Kit)						PRO
Intel® NUC 12 Pro "Wall Street Canyon" (12 th Gen Core™ i7 vPro®, i7, i5 vPro®, i5, i3, 0.5 & 0.7L, Mini PC, Kit & Board)						
Intel® NUC 11 Pro "Tiger Canyon" (11 th Gen Core™ i7 vPro, i7, i5 vPro, i5, i3, 0.5 & 0.7L, Kit & Board)						
Intel® NUC 12 Compute Element (U-Series) "Hard Bay" (12 th Gen Core™ i7 vPro®, i7, i5 vPro®, i5, i3, Celeron®)						
Intel® NUC 11 Compute Element (U-Series) "Elk Bay" (11 th Gen Core™ i7 vPro®, i7, i5 vPro®, i5, i3, Celeron®)						
Intel® NUC Pro Chassis Element (U-Series) "Fort Beach" (Base, Video Capture & Audio)						RUGGED
Intel® NUC 8 Rugged "Chaco Canyon" (Celeron®, 3.5" SBC, Kit & Board)						
Intel® NUC Rugged Chassis/Board Element (U-Series) "Austin Beach" (Expandable, Dual LAN)						

Intel® NUC Board Roadmap

Intel® NUC Products
Intel® NUC Element Products

1H'23		2H'23		1H'24		FAMILY ▼
Q1	Q2	Q3	Q4	Q1	Q2	
Intel® NUC Board Element "Raptor Canyon Baseboard" (PCIe-x16 Gen5)						ELEMENT-H
Intel® NUC Board Element "Monster Cove" (PCIe-x16 Gen5)						
Intel® NUC Board Element "Monster Cove" (PCIe-x16 Gen4)						
Intel® NUC Rugged Board Element "Austin Beach" (Expandable)						ELEMENT-U
Intel® NUC Rugged Board Element "Austin Beach" (Dual LAN)						
Intel® NUC Board/Assembly Element "Garden Beach"						
Intel® NUC 12 Pro Board "Wall Street Canyon" (12 th Gen Core™ i7 vPro®, i7, i5 vPro®, i5, i3)						PRO, RUGGED, ESSENTIAL
Intel® NUC 11 Pro Board "Tiger Canyon" (11 th Gen Core™ i7 vPro®, i7, i5 vPro®, i5, i3)						
Intel® NUC 8 Rugged "Chaco Canyon" (Celeron®)						
Intel® NUC 11 Essential Board "Atlas Canyon" (Celeron®)						

Intel® NUC Laptop Kit Roadmap

1H'23		2H'23		1H'24		FAMILY ▼
Q1	Q2	Q3	Q4	Q1	Q2	
<p>Intel® NUC X15 Laptop Kit "Alder County" 15" Extreme T&L (12th Gen Core™ i7, ADL-H, Intel® Arc™ A730M/A550M)</p>						EXTREME
<p>Intel® NUC P14E Laptop Element "Camden County" 14" Professional Modular T&L (accepts NUC 13 Compute Element, NUC 12 Compute Element, or NUC 11 Compute Element)</p>						PRO

"Note: Left Edge indicates PRQ"

Intel® NUC Element

The Next Evolution of Modular Computing

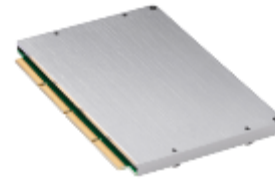
A Pluggable System-On-Module for U-series and H-series CPU Usages

- 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

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)

Intel® NUC Element Board & Chassis Compatibility (U-Series)

		Compute Element		
		Intel® NUC 8 Compute Element (Chandler Bay)	Intel® NUC 11 Compute Element (Elk Bay)	Intel® NUC 12 Compute Element (Hard Bay)
Board/Assy/Chassis Element	Intel® NUC Rugged Chassis/Board Element (Austin Beach <i>Expandable</i>)	YES ¹		
	Intel® NUC Rugged Chassis/Board Element (Austin Beach <i>Dual LAN</i>)	YES ¹		
	Intel® NUC Rugged Chassis/Board Element (Austin Beach <i>Multi HDMI</i>)	YES ¹		NO
	Intel® NUC Board/Assembly Element (Butler Beach)	YES ¹		YES ¹
	Intel® NUC Pro Chassis Element (Fort Beach)	YES ¹	YES	
	Intel® NUC Board/Assembly Element (Garden Beach)	NO	YES ²	
	Intel® NUC P14E Laptop Element (Camden County)	NO	YES ²	

¹ Carrier Board or Element limited to 15W TDP






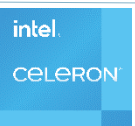
² Element and/or Carrier Board/Chassis supports TBT

Intel® NUC 12 Compute Element (U-Series)

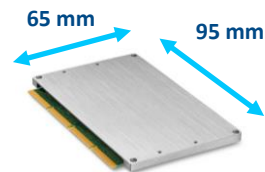
"Hard Bay"

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	12th Generation Intel® Core™ i7-1265U Intel® Iris® X^e 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® X^e 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® X^e 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® X^e 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"

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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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intel. CORE vPRO i7
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

intel. CORE i7
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

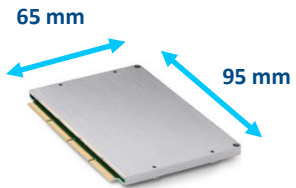
intel. CORE vPRO i5
11th Generation Intel® Core™ i5-1145G7
Intel® Iris™ Xe Graphics, Intel vPro® Technology
2.6GHz@28W ~ 1.1GHz@15W, up to 4.4GHz Turbo
4 Cores, 8 Threads, 8MB L3 Cache, 4267MT/s LPDDR4x

intel. CORE i5
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

intel. CORE i3
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
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"

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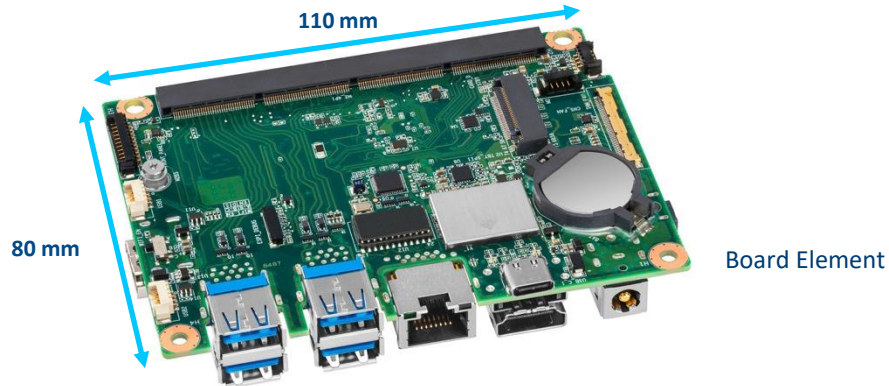
Ordering Codes			
Product Code	MM#	Processor	RAM
BKCM11EBv716W	99A8FM	11 th Gen vPro® Core™ i7-1185G7	16GB LPDDR4X
BKCM11EBi716W	99A8FP	11 th Gen Core™ i7-1165G7	16GB LPDDR4X
BKCM11EBv58W	99A8FR	11 th Gen vPro® Core™ i5-1145G7	8GB LPDDR4X
BKCM11EBi58W	99A8FT	11 th Gen Core™ i5-1135G7	8GB LPDDR4X
BKCM11EBi38W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

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

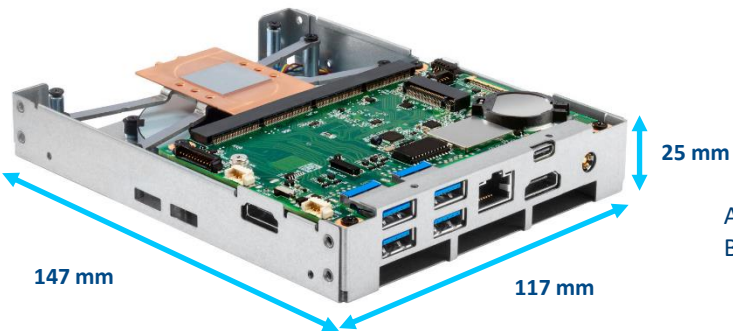
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Support for Intel® NUC Compute Element
All [Elk Bay](#) and [Hard Bay](#) Compute Elements are supported in Garden Beach.



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)
- 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™ 3 via back panel type C connector (from Elk Bay)
 - **1x Thunderbolt™ 4 via back panel type C connector** (from Hard Bay)
 - 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	<input checked="" type="radio"/> Assembly	<input checked="" type="radio"/> I/O Board
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Intel® NUC Board/Assembly Element (U-series)

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

Intel® NUC Rugged Board Element (U-series)

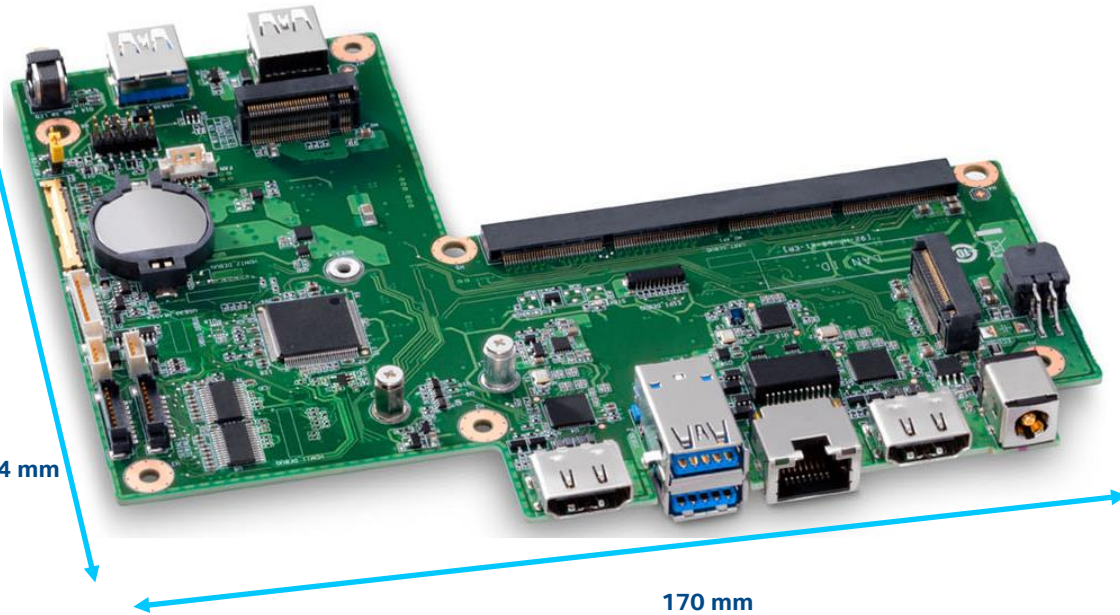
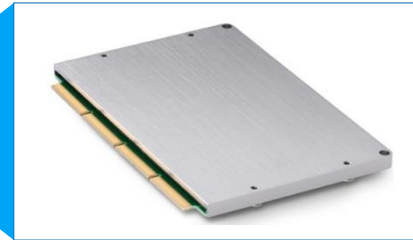
"Austin Beach Expandable" Board

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Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay and Hard 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)

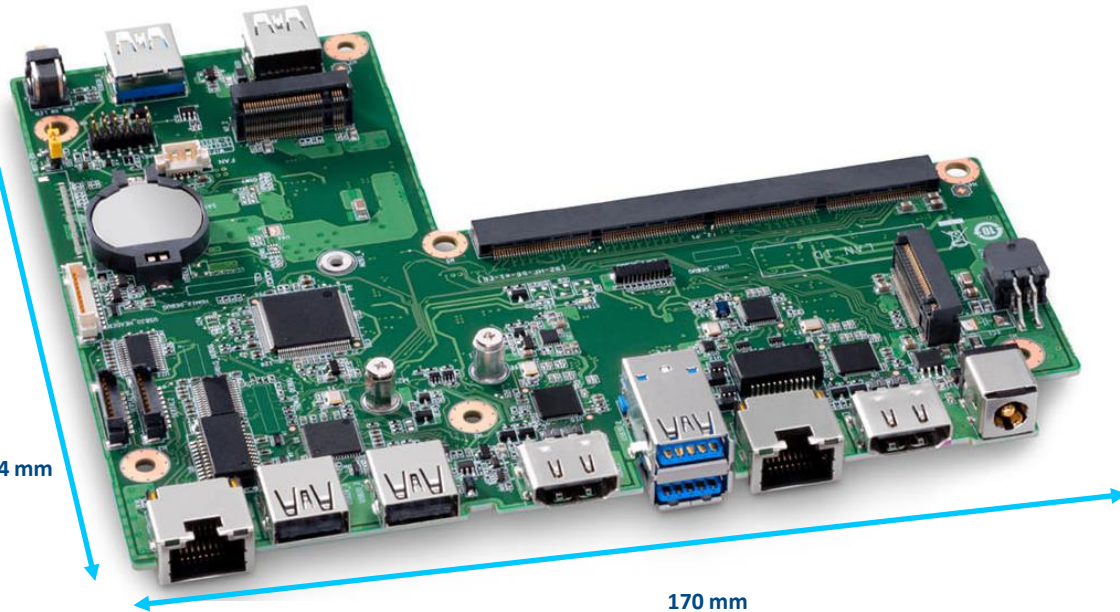
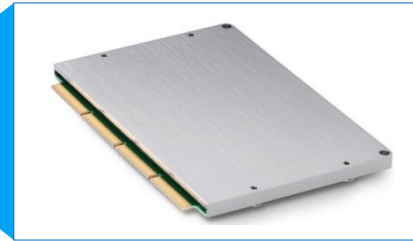
"Austin Beach Dual LAN" Board

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Support for Intel® NUC Compute Element

All Chandler Bay, [Elk Bay](#) and [Hard 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)

Ordering Codes		
Product Code	MM#	Description
BKCMB1ABA	999M8C	Carrier Board: "Expandable"
BKCMB1ABB	999M8F	Carrier Board: "Dual LAN"

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



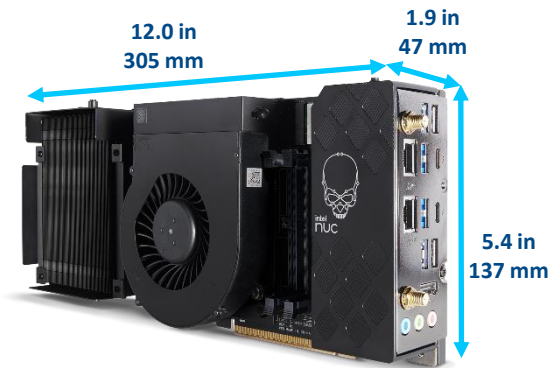
Intel® Core™ i7-13700K

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

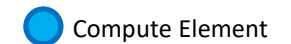
Up to 5.1 GHz Max Turbo, 125W unlocked
14 cores (6P+8E cores), 20 threads, 24MB Intel® Smart Cache
Intel® UHD Graphics 770



- 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 (AQ113) 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



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

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

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

"Shrike Bay GTO" Compute Element

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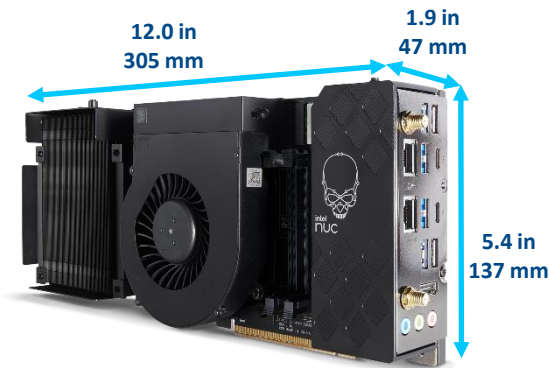
13th Generation Intel® Core™ i9-13900KF
Up to 5.8 GHz Intel® Thermal Velocity Boost, 125W unlocked
24 cores (8P+16E), 32 threads, 36MB Intel® Smart Cache



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



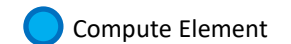
13th Generation Intel® Core™ i5-13600KF
Up to 5.1 GHz Max Turbo, 125W unlocked
14 cores (6P+8E cores), 20 threads, 24MB Intel® Smart Cache



- 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



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

Ordering Codes		
Product Code	MM#	Processor
BNUC13SBBi9F000	99C51T	13 th Gen Core™ i9-13900KF
BNUC13SBBi7F000	99C51W	13 th Gen Core™ i7-13700KF
BNUC13SBBi5F000	99C51Z	13 th 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



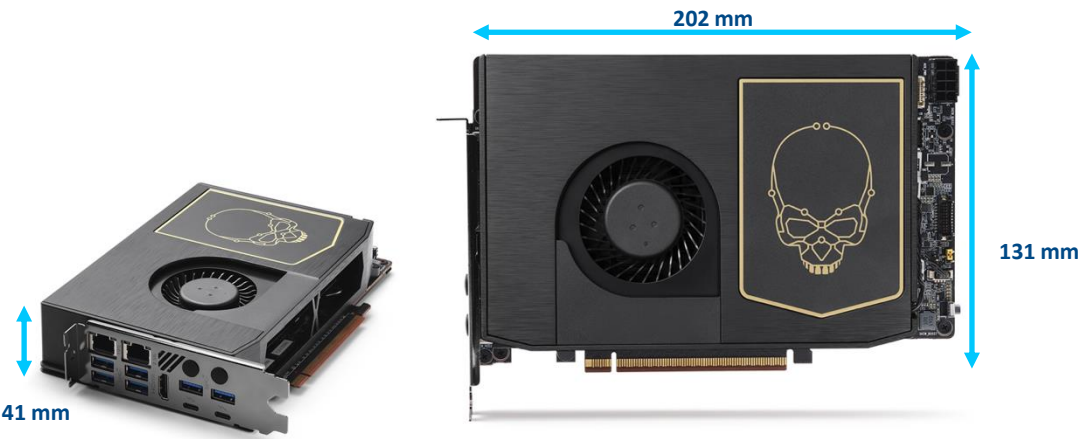
12th Generation Intel® Core™ i7-12700

Up to 4.9 GHz Turbo Boost Max 3.0, 8P+4E cores, 20 threads, 25MB Intel Smart Cache

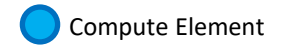
Intel® UHD Graphics 770 Up to 1.50 GHz

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

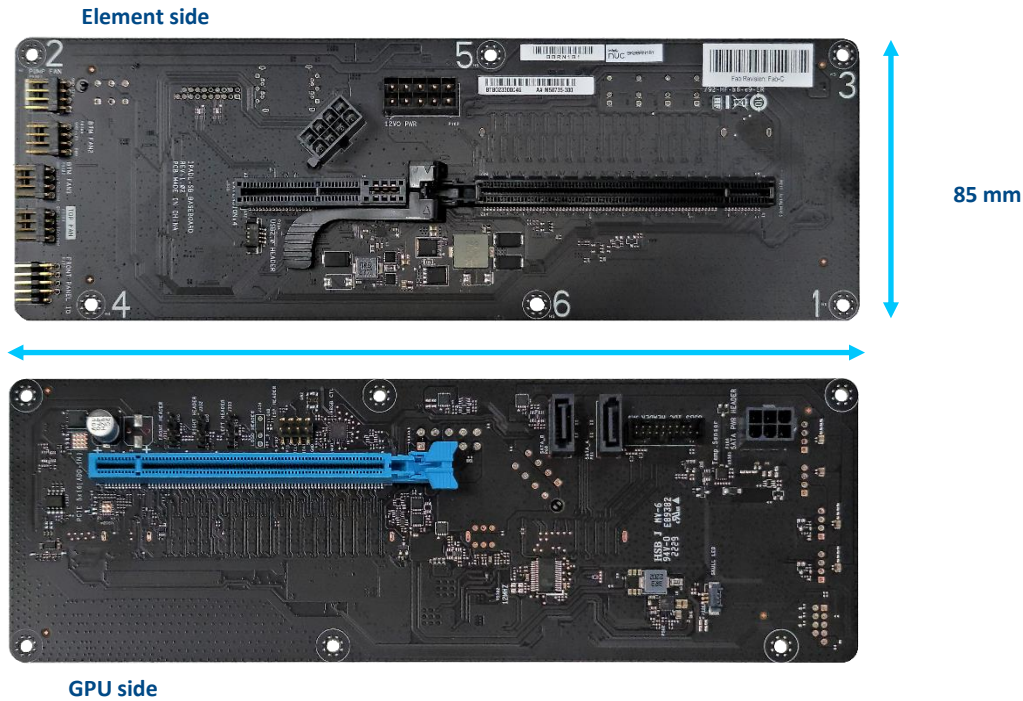


Intel® NUC 12 Extreme Compute Element (H-series)

Ordering Codes (Retail Packaging)

Product Code	MM#	Ethernet	Processor
BNUC12EDBi90000	99AWTX	10 Gb + Intel® i225-LM	12 th Gen Core™ i9-12900
BNUC12EDBi70000	99AWTZ	10 Gb	12 th Gen Core™ i7-12700

Intel® NUC Board Element (H-series)

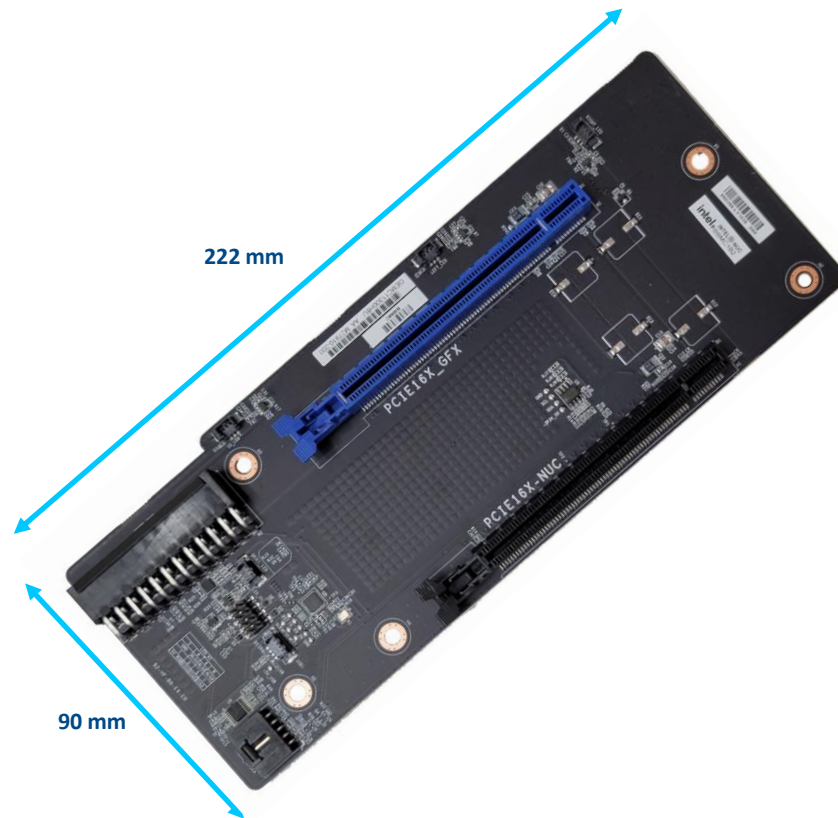


- **Compatible with Shrike Bay Compute Element only**
- **1x PCIe 5.0 x16 slot**
 - **Black PCIe x16 with x4 extension** for "Shrike Bay" NUC Compute Elements
 - **Blue PCIe x16** for Add-On Card
- **255 x 85 mm**
- **4x independently controlled addressable RGB headers**
- **20-pin USB 3.0 header (2 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**

Ordering Codes

Product Code	MM#
BKBBRN1B1	99C4NN

Intel® NUC Board Element (H-series)

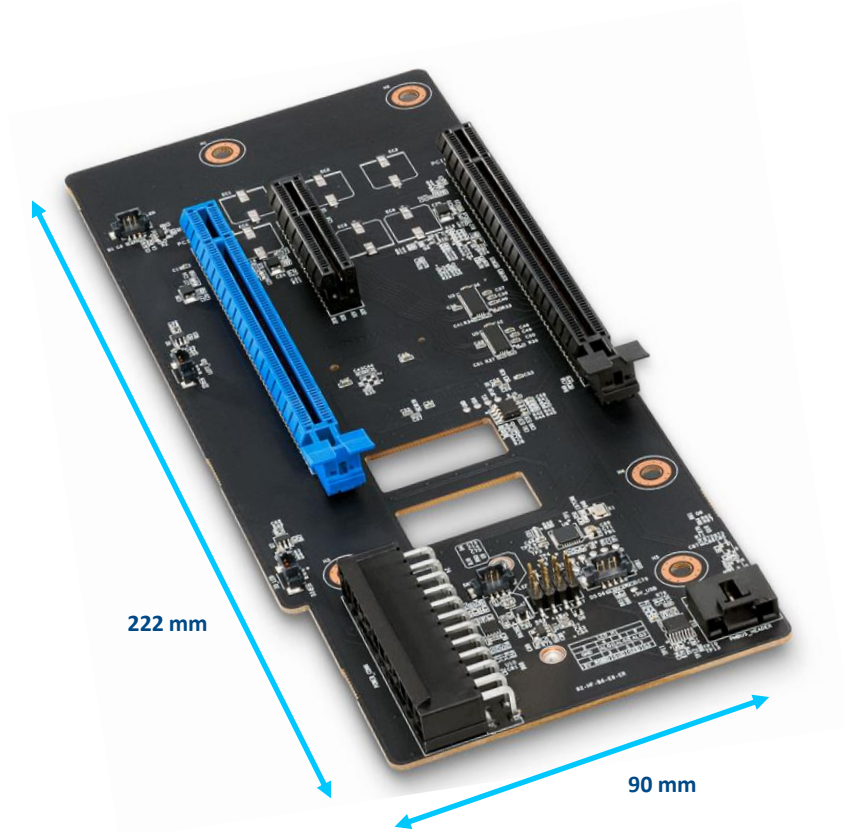


- **Compatible with H Series NUC Compute Elements**
 - Including Eden Bay and Driver Bay Compute Elements
- **1x PCIe 5.0 x16 slot**
 - **Black PCIe x16** for Intel® NUC Compute Element
 - **Blue PCIe x16** for Add-On Card
- **222 x 90 mm**
- **4 independently controlled addressable RGB headers**
- **24pin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

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 Intel® 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**

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



Gaming



Streaming



Content
Creation



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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



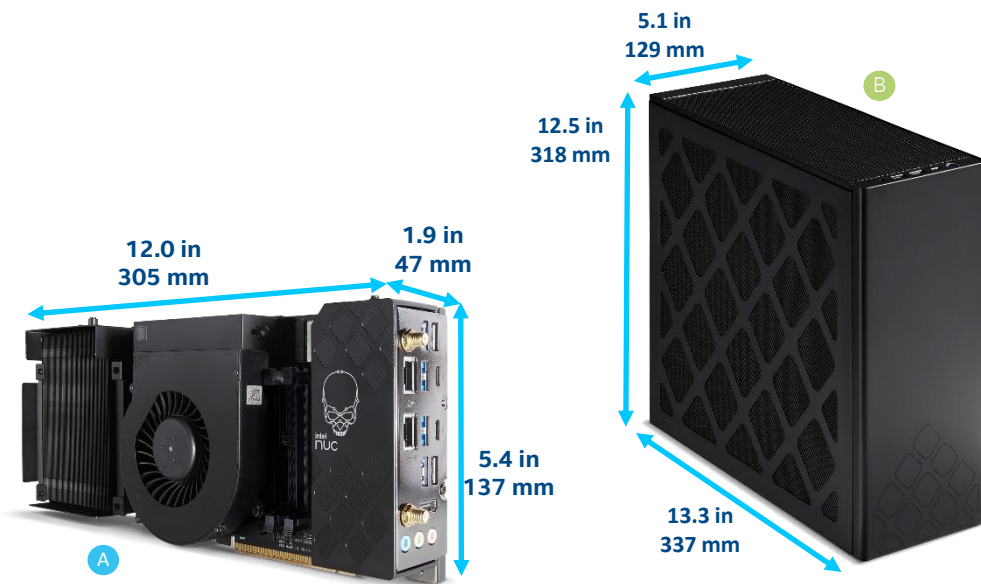
13th Generation Intel® Core™ i7-13700K

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 Intel® NUC 13 Extreme 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 cap) 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



B Intel® NUC 13 Extreme chassis:

- 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"

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Intel® NUC 13 Extreme Kit (L6) Ordering Codes

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

Intel® NUC 13 Extreme Compute Element Ordering Codes

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

Intel® NUC 12 Extreme

"Dragon Canyon"

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intel
CORE
i9

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

intel
CORE
i7

12th Generation Intel® Core™ i7-12700

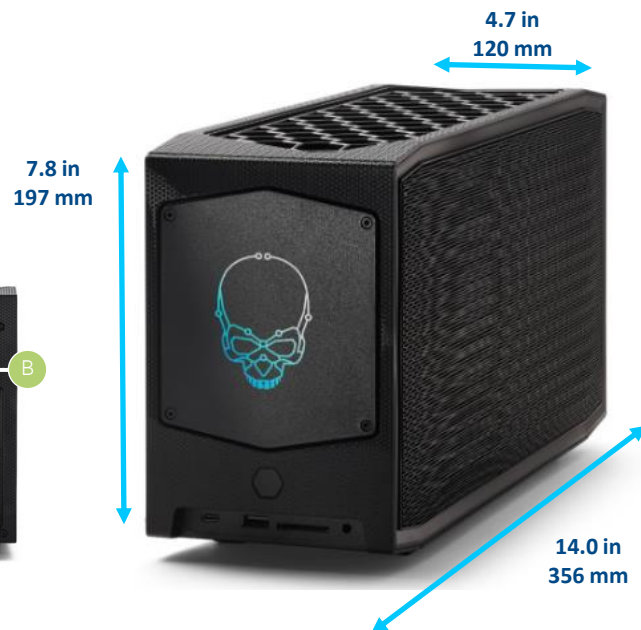
Up to 4.9 GHz Turbo Boost Max 3.0, 8P+4E cores, 20 threads,
25MB Intel Smart Cache
Intel® UHD Graphics 770 Up to 1.50 GHz
Intel vPro® Technology

A Pre-installed Intel® NUC 12 Extreme 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 Core™ i9 SKUs
- 10 Gb Ethernet (AQC113) on Core™ i9 and i7 SKUs
- 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

Intel® NUC 12 Extreme 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"

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Intel® NUC 12 Extreme Kit (L6) Ordering Codes

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

Intel® NUC 12 Extreme Compute Element (Retail Packaging) Ordering Codes

Product Code	MM#	Ethernet	Processor
BNUC12EDBi90000	99AWTX	10 Gb + Intel® i225-LM	12 th Gen Core™ i9-12900
BNUC12EDBi70000	99AWTZ	10 Gb	12 th Gen Core™ i7-12700

Intel® NUC Enthusiast

Our smallest Mini PC for gaming

- Intel® Core™ i9, 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



Gaming



Streaming



Content
Creation



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Intel® NUC 12 Enthusiast

"Serpent Canyon"

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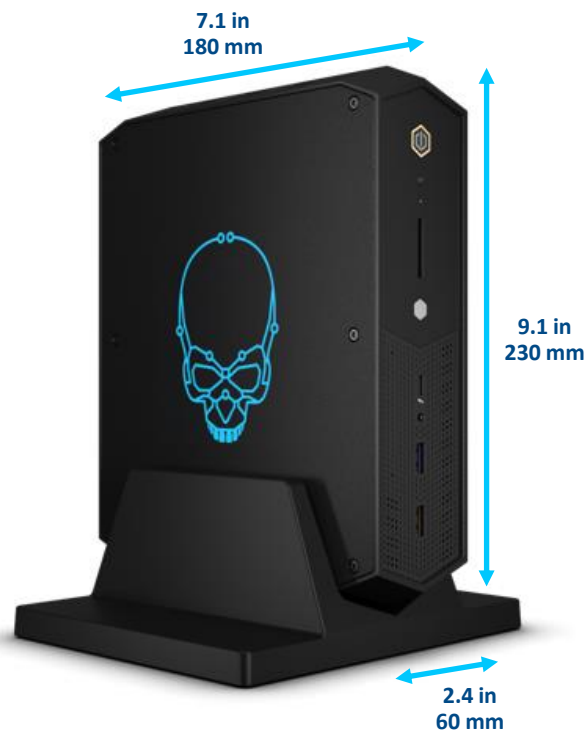


12th Generation Intel® Core™ i7-12700H

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"

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Intel® NUC 12 Enthusiast Mini PC (L10) 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)	12 th 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)					

Intel® NUC 12 Enthusiast Kit (L6) Ordering Codes

Product Code	MM#	AC Cord (C13)	Processor	GPU
Intel® NUC 12 Enthusiast Kit - NUC12SNKi7				
RNUC12SNKi72000	99AP6Z	None	12 th 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 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® X ^e Graphics, Intel vPro® Technology 12 Processor Cores (4P+8E), 16 threads, 18MB Smart 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® X ^e Graphics 12 Processor Cores (4P+8E), 16 threads, 18MB Smart 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® X ^e Graphics, Intel vPro® Technology 12 Processor Cores (4P+8E), 16 threads, 12MB Smart 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® X ^e Graphics 12 Processor Cores (4P+8E), 16 threads, 12MB Smart 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 Smart 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/UVF**
- 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

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, 3.3Vsby1A)
- **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
- Individual brown-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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intel.

CORE

i7

11th Generation Intel® Core™ i7-1165G7

2.8 GHz – 4.7 GHz Turbo, 4 core, 8 thread 12MB Intel Smart Cache, **28W**
Intel® Iris™ X^e Graphics, up to 1.3 GHz

intel.

CORE

i5

11th Generation Intel® Core™ i5-1135G7

2.4 GHz – 4.2 GHz Turbo, 4 core, 8 thread 8MB Intel Smart Cache, **28W**
Intel® Iris™ X^e Graphics, up to 1.3 GHz

intel.

CORE

i3

11th Generation Intel® Core™ i3-1115G4

3.0 GHz – 4.1 GHz Turbo, 2 core, 4 thread 6MB Intel Smart Cache, **28W**
Intel® Iris™ X^e 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

Intel® NUC 11 Performance Kit (L6) Ordering Codes					
Product Code	MM#	AC Cord (C5)	Lid	Chassis	Processor
Intel® NUC 11 Performance Kit –NUC11PAHi7					
RNUC11PAHi70Z00	99AW85	None	Standard flat lid	Tall	11 th Generation Core™ i7-1165G7
RNUC11PAHi70Z01	99AW86	US			
RNUC11PAHi70Z02	99AW87	EU			
Intel® NUC 11 Performance Kit –NUC11PAHi5					
RNUC11PAHi50Z00	99AW89	None	Standard flat lid	Tall	11 th Generation Core™ i5-1135G7
RNUC11PAHi50Z01	99AW8G	US			
RNUC11PAHi50Z02	99AW8P	EU			
Intel® NUC 11 Performance Kit –NUC11PAHi3					
RNUC11PAHi30Z00	99AW96	None	Standard flat lid	Tall	11 th 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



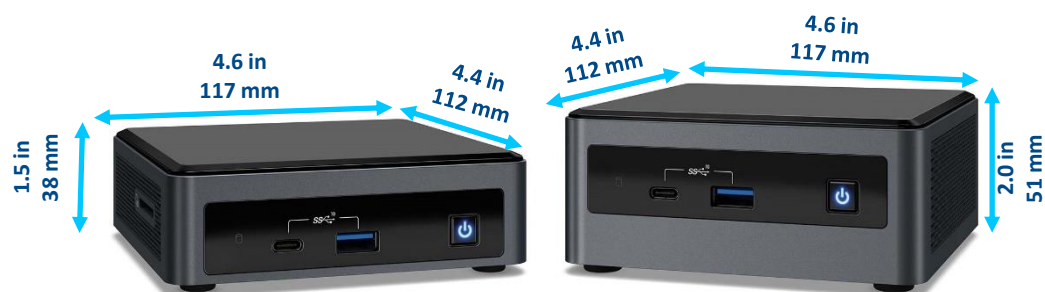
10th Generation Intel® Core™ i5-10210U

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

Intel® NUC 10 Performance

Intel® NUC 10 Performance Kit (L6) Ordering Codes (without analog audio codec / line-out jack & digital mics)

Product Code	MM#	AC Cord (C5)	Chassis	Processor
Intel® NUC 10 Performance Kit (L6) – NUC10i7FN				
BXNUC10i7FNHN	99AHT9	No Cord	Tall	10 th Generation Core™ i7-10710U
BXNUC10i7FNHN1	99AHTF	US		
BXNUC10i7FNHN2	99AHTG	EU		
BXNUC10i7FNHN3	99AHTK	UK		
BXNUC10i7FNKN1	99AHTW	US	Slim	
BXNUC10i7FNKN2	99AHV3	EU		
Intel® NUC 10 Performance Kit (L6) – NUC10i5FN				
BXNUC10i5FNHN	99AHV4	No Cord	Tall	10 th Generation Core™ i5-10210U
BXNUC10i5FNHN1	99AHV5	US		
BXNUC10i5FNHN2	99AHV8	EU		
BXNUC10i5FNHN4	99AHV9	AU		
BXNUC10i5FNHN5	99AHVA	IN		
BXNUC10i5FNKN1	99AHVV	US	Slim	
BXNUC10i5FNKN2	99AHVW	EU		

Intel® NUC 10 Performance Kit (L6) Ordering Codes (without analog audio codec / line-out jack & digital mics)

Product Code	MM#	AC Cord (C5)	Chassis	Processor
Intel® NUC 10 Performance Kit (L6) – NUC10i3FN				
BXNUC10i3FNHN	99AHVZ	No Cord	Tall	10 th 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™ i9, i7, i5 vPro®, and Intel® Core™ i9, i7, i3 processors
- Longer product availability options
- 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



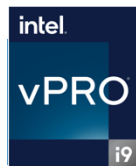
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Intel® NUC 12 Pro X

"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

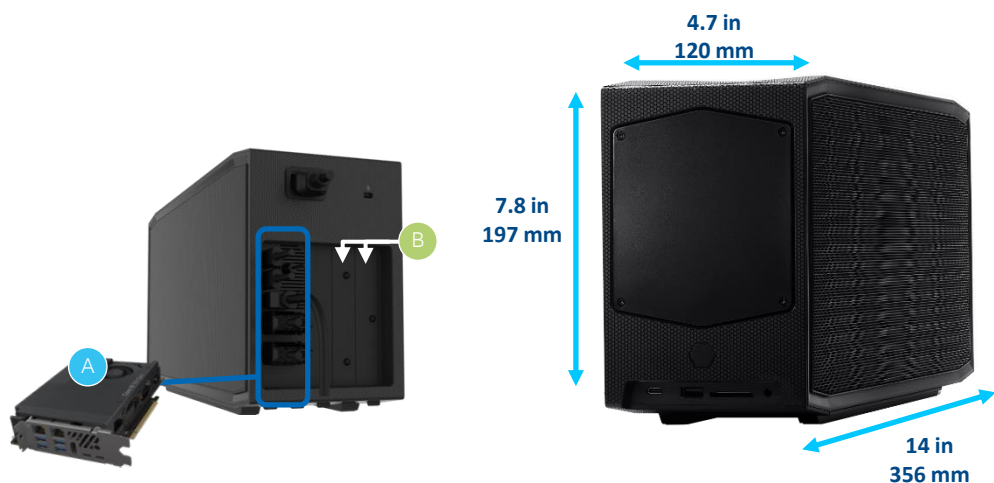


12th Generation Intel® Core™ i7-12700

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



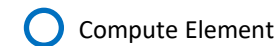
A Pre-installed Intel® NUC Pro X Compute Element:

- **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 (AQ113) 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 Intel® NUC 12 Pro X 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



Intel® NUC 12 Pro X

“Dragon Canyon Pro”

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Intel® NUC 12 Pro X Kit (L6) Ordering Codes					
Product Code	MM#	AC Cord (C13)	TPM	Ethernet	Processor
Intel® NUC 12 Pro X Kit (L6) “i9 vPro” – NUC12DCMv9					
BNUC12DCMv90000	99ALHW	None	WW	10 Gb + Intel® i225-LM	12 th Generation Core™ i9-12900
Intel® NUC 12 Pro X Kit (L6) “i7 vPro” – NUC12DCMv7					
BNUC12DCMv70000	99ALJ4	None	WW	10 Gb + Intel® i225-LM	12 th Generation Core™ i7-12700

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](#) and [Hard 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)

Intel® NUC Pro Chassis Element (L5) "Base" 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

Intel® NUC Pro Chassis Element (L5) "Video Capture & Audio" 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

	<p>12th Generation Intel® Core™ i7-1270P Intel® Iris® Xe Graphics, Intel vPro® Technology 12 Processor Cores (4P+8E), 16 threads, 18MB Smart Cache, 35W TDP (P-Cores: Up to 4.8GHz Turbo; E-Cores : Up to 3.5GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i7-1260P Intel® Iris® Xe Graphics 12 Processor Cores (4P+8E), 16 threads, 18MB Smart Cache, 35W TDP (P-Cores: Up to 4.7GHz Turbo; E-Cores: Up to 3.4GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i5-1250P Intel® Iris® Xe Graphics, Intel vPro® Technology 12 Processor Cores (4P+8E), 16 threads, 12MB Smart Cache, 35W TDP (P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i5-1240P Intel® Iris® Xe Graphics 12 Processor Cores (4P+8E), 16 threads, 12MB Smart Cache, 35W TDP (P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i3-1220P Intel® UHD Graphics 10 Processor Cores (2P+8E), 12 threads, 12MB Smart Cache, 20W TDP (P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)</p>



- **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, 3.3Vsby1A)
- **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/UVF**
- 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 Zoom Rooms subscription, available in Americas & APJ only)
- **Supported by Intel® NUC Pro Software Suite**
- Individual retail box packaging
- **Three-Year product availability, Three-Year limited warranty**

Available SKUs

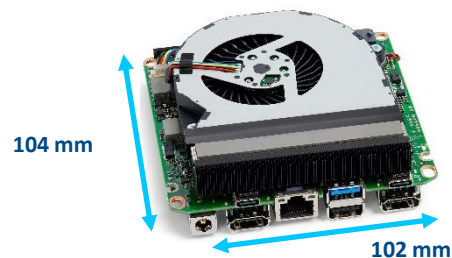
- Mini PC
- Kit
- Chassis
- Board

Intel® NUC 12 Pro Board

“Wall Street Canyon” Board

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	<p>12th Generation Intel® Core™ i7-1270P Intel® Iris® X^e Graphics, Intel vPro® Technology 12 Processor Cores (4P+8E), 16 threads, 18MB Smart Cache, 35W TDP (P-Cores: Up to 4.8GHz Turbo; E-Cores: Up to 3.5GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i7-1260P Intel® Iris® X^e Graphics 12 Processor Cores (4P+8E), 16 threads, 18MB Smart Cache, 35W TDP (P-Cores: Up to 4.7GHz Turbo; E-Cores: Up to 3.4GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i5-1250P Intel® Iris® X^e Graphics, Intel vPro® Technology 12 Processor Cores (4P+8E), 16 threads, 12MB Smart Cache, 35W TDP (P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i5-1240P Intel® Iris® X^e Graphics 12 Processor Cores (4P+8E), 16 threads, 12MB Smart Cache, 35W TDP (P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)</p>
	<p>12th Generation Intel® Core™ i3-1220P Intel® UHD Graphics 10 Processor Cores (2P+8E), 12 threads, 12MB Smart Cache, 20W TDP (P-Cores: Up to 4.4GHz Turbo; E-Cores: Up to 3.3GHz Turbo)</p>



- **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

Intel® NUC 12 Pro Kit (L6) "i7 vPro Tall" - NUC12WSHv7

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

Intel® NUC 12 Pro Kit (L6) "i7 vPro Slim" - NUC12WSKv7

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

Intel® NUC 12 Pro Kit (L6) "i5 vPro Tall" - NUC12WSHv5

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

Intel® NUC 12 Pro Kit (L6) "i5 vPro Slim" - NUC12WSKv5

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

Intel® NUC 12 Pro

Intel® NUC 12 Pro Kit (L6) "i7 Tall" - NUC12WSHi7

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

Intel® NUC 12 Pro Kit (L6) "i7 Slim" - NUC12WSKi7

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

Intel® NUC 12 Pro Kit (L6) "i5 Tall" - NUC12WSHi5

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

Intel® NUC 12 Pro Kit (L6) "i5 Slim" - NUC12WSKi5

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

Intel® NUC 12 Pro Kit (L6) "i3 Tall" - NUC12WSHi3

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

Intel® NUC 12 Pro Kit (L6) "i3 Slim" - NUC12WSKi3

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

Intel® NUC 12 Pro Kit (L6) "i3 Tall" no type C - NUC12WSHi3

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

Intel® NUC 12 Pro

“Wall Street Canyon” Boards, Mini PCs, & Dual LAN Kits

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Intel® NUC 12 Pro Board (L5) Ordering Codes			
Product Code	MM#	TBT	Processor
BNUC12WSBv70000	99ANZ1	Yes	12 th Gen Intel® Core™ i7-1270P Intel® vPro® Technology
BNUC12WSBi70000	99ANZ0	Yes	12 th Gen Intel® Core™ i7-1260P
BNUC12WSBv50000	99ANXZ	Yes	12 th Gen Intel® Core™ i5-1250P Intel® vPro® Technology
BNUC12WSBi50000	99ANXX	Yes	12 th Gen Intel® Core™ i5-1240P
BNUC12WSBi30000	99ANXW	Yes	12 th Gen Intel® Core™ i3-1220P

“Wall Street Canyon” Mini PCs (for China only)

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Intel® NUC 12 Pro Mini PC (L10) “Tall” (China)									
Processor	Product Code	MM#	TBT	AC Cord (C5)	Box	VESA Bracket	RAM	SSD	OS
12 th Gen Intel® Core™ i7-1260P	RNUC12WSHi70QA6	99AXMK	Yes	CN	CN	No	2x8GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Home Plus
12 th Gen Intel® Core™ i5-1240P	RNUC12WSHi50WA6	99AXMG	Yes	CN	CN	No	2x4GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Home Standard
12 th Gen Intel® Core™ i3-1220P	RNUC12WSHi30WA6	99AXMC	Yes	CN	CN	No	2x4GB DDR4-3200	500GB NVMe x4 Gen4	Windows 11 Home Standard

Intel® NUC 12 Pro “Dual LAN”

Dual LAN 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)

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Intel® NUC 12 Pro Mini PC (L10) "Slim" no type C (Worldwide)

CPU	Product Code	MM#	TBT	AC Cord (C5)	Box	VESA Bracket	RAM	SSD	OS
12 th 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					
12 th 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					
12 th 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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Intel® NUC 12 Pro Mini PC for Zoom Rooms* (L10) "Tall"

CPU	Product Code	MM#	TBT	AC Cord (C5)	Box	VESA Bracket	RAM	SSD	OS
12 th 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 Americas and APJ 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 Board

"Tiger Canyon" Board

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11th Generation Intel® Core™ i7-1185G7
Intel® Iris™ X^e 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™ X^e Graphics
2.8GHz@28W, up to 4.7GHz Turbo, 4 Cores, 8 Threads,
12MB L3 Cache



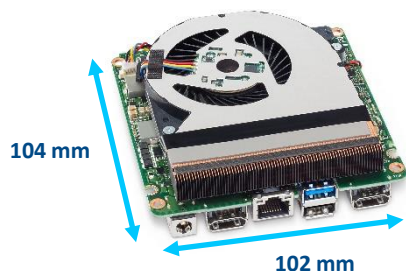
11th Generation Intel® Core™ i5-1145G7
Intel® Iris™ X^e Graphics, Intel vPro® Technology
2.6GHz@28W, up to 4.4GHz Turbo, 4 Cores, 8 Threads,
8MB L3 Cache



11th Generation Intel® Core™ i5-1135G7
Intel® Iris™ X^e 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



- **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

*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.

Intel® NUC 11 Pro

"Tiger Canyon" vPro® Kits

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Intel® NUC 11 Pro Kit (L6) "i7 vPro Tall" – 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

Intel® NUC 11 Pro Kit (L6) "i7 vPro Slim" – 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

Intel® NUC 11 Pro Kit (L6) "i5 vPro Tall" – 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

Intel® NUC 11 Pro Kit (L6) "i5 vPro Slim" – 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

Intel® NUC 11 Pro Kit (L6) "Dual LAN vPro Tall"

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

Intel® NUC 11 Pro

"Tiger Canyon" non-vPro Kits

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Intel® NUC 11 Pro Kit (L6) "i7 Tall" – NUC11TNHi7

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

Intel® NUC 11 Pro Kit (L6) "i7 Slim" – NUC11TNKi7

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

Intel® NUC 11 Pro Kit (L6) "i5 Tall" – NUC11TNHi5

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

Intel® NUC 11 Pro Kit (L6) "i5 Slim" – NUC11TNKi5

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

Intel® NUC 11 Pro Kit (L6) "i3 Tall" – NUC11TNHi3

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

Intel® NUC 11 Pro Kit (L6) "i3 Slim" – NUC11TNKi3

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

Intel® NUC 11 Pro Kit (L6) "Dual LAN Tall"

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

Intel® NUC 11 Pro

Intel® NUC 11 Pro Kit (L9) Ordering Codes

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

Intel® NUC 11 Pro Board (L5) Ordering Codes

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

Intel® NUC Pro Software Suite

Software Robustness for Your Solution



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

Available today for Windows and Linux!

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

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



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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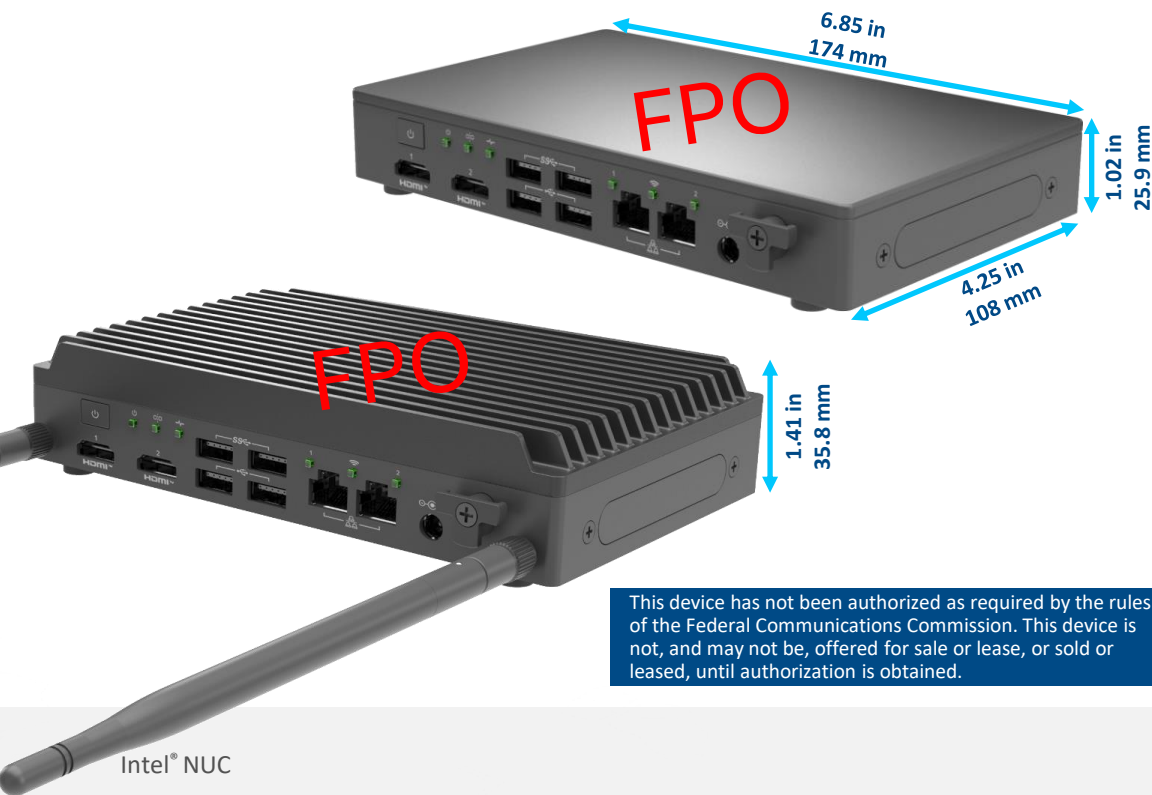
Intel® NUC 13 Rugged

5yr Availability!

"Bravo Canyon"

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	<p>Intel® Atom® x7425E Intel® UHD Graphics, with IPU 4 Processor Cores, 6MB L3 Cache, 12W TDP (Up to 3.4GHz Turbo)</p>
	<p>Intel Atom® x7211E Intel® UHD Graphics, with IPU 2 Processor Cores, 6MB L3 Cache, 6W TDP (Up to 3.2GHz Turbo)</p>
	<p>Intel® Processor N50 Intel® UHD Graphics, with IPU 2 Processor Cores, 6MB L3 Cache, 6W TDP (Up to 3.4GHz Turbo)</p>



This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

- **IP50 / Fanless, dust-resistant chassis**, with cover plugs for unused ports
 - **Five-Year** product availability
 - **0~50°C** external ambient operating temp. tolerance on select kit SKUs (**0~40°C** otherwise)
 - Qualified for **24x7 sustained operation** with up to **80% activity over five years**
- **DDR5-4800 SODIMM** slot (16GB max), with optional "in-band" ECC support (select models only)
- **Dual HDMI 2.1** TMDS Compatible (4K@60Hz), with **Pipelock & built-in CEC for both ports**
- **Dual LAN** via **Intel® i226 2.5 Gb** Ethernet ports
- **Intel® Wi-Fi 6E AX210** pre-installed on M.2 slot (most kit SKUs)
 (external antennas on chassis w/ext. heatsink; internal antennas on chassis w/int. heatsink)
- **64GB eMMC** soldered-down, **M.2 2280 key M** slot for PCIe x2 NVMe SSD
- **M.2 3042 key B** slot for SATA SSD as well as PCIe x1 and USB 3.2 Gen2 **expandability**
- **SIM card slot & LTE modem ready**, **M.2 key B slot** (select SKUs only; no certs provided)
- 2x rear USB 3.2 Gen2, 2x rear USB 2.0 type A ports (**USB power control** per USB port pair)
- 2x internal USB 2.0 headers (**USB power control** per USB port pair)
- **MIPI CSI** headers for connectivity to off-the-shelf third-party MIPI CSI camera modules
- Front-panel header (incl. Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A)
- **Intel® TCC/TSN** for **real-time computing** applications (select SKUs only)
- **Delayed AC start; DC transient voltage suppression**
- **12~20V_{DC} ±5% DC input** on rear jack and **internal 2x2 power connector**
- **Display emulation** (headless display, 2nd virtual display, persistent displays)
- **Robustness status LEDs** for at-a-glance system health assessment
- Support for **Intel® NUC Pro Software Suite** (Windows & Linux) to monitor/restart unresponsive applications and provide failover display services for digital signage deployments
- Chassis with **Kensington* lock** with base security and support for **DC cable strain relief**
- 20VDC 65W or 90W power supply adapter with geo-specific AC cords (IEC C5 connector)
- **Versatile mounting options**: support for cable ties, direct-to-wall, 100mm VESA, keyholes, DIN rail
- **Internal expansion bay** (compatible with Intel® NUC Pro's internal expansion modules)
- Chassis dimensions (w/internal heatsink): 174 x 108 x 25.9 mm [+3.4mm rubber feet]
- Chassis dimensions (w/external heatsink): 174 x 108 x 35.8 mm [+3.4mm rubber feet]
- Board dimensions: 146 x 101.7 mm (**3.5" SBC**)
- Support for Windows* 10 IOT Enterprise LTSC, Ubuntu 22.04 LTS, Red Hat Enterprise Linux 9
- Individual brown-box packaging
- Three-Year limited warranty

Available SKUs

Mini PC
 Kit
 Chassis
 Board

Intel® NUC Rugged Chassis Element (U-Series)

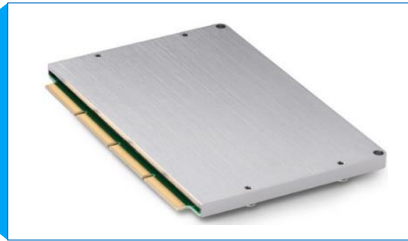
"Austin Beach Expandable" Chassis

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Support for Intel® NUC Compute Element

All Chandler Bay, Elk Bay and Hard 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 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 and Hard 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 Rugged Chassis Element (U-Series)

Intel® NUC Rugged Chassis Element (L5) Ordering Codes

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

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

Intel® NUC 8 Rugged Board

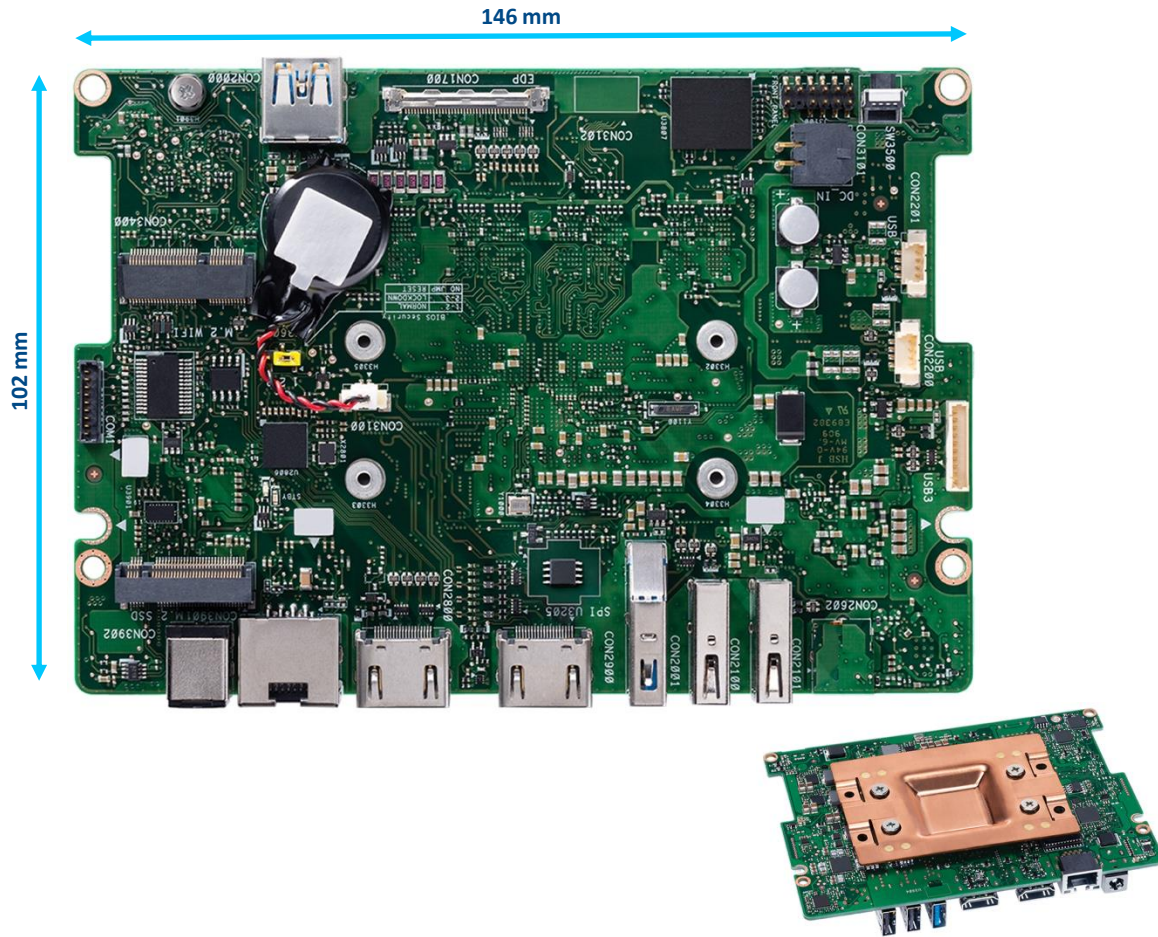
“Chaco Canyon” Board

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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

Intel® NUC 8 Rugged Kit (L6) – 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 Board (L5) – NUC8CCHB (without analog audio codec / line-out jack)

Product Code	MM#	Processor
BKNUC8CCHBN	99AHRR	Intel® Celeron N3350

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 Board

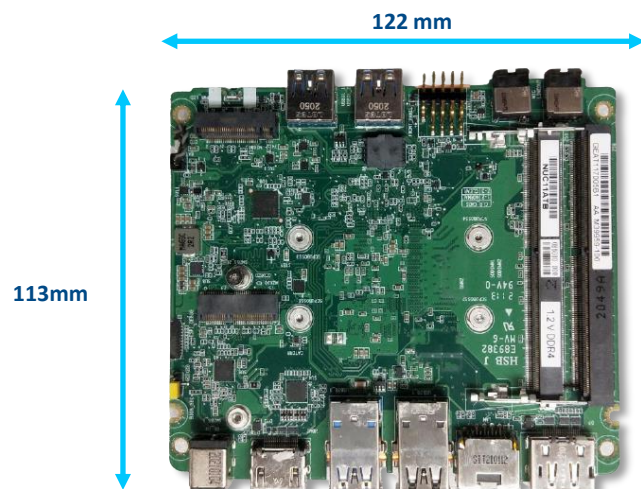
"Atlas Canyon" Board

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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"

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Intel® NUC 11 Essential Kit (L6)

Product Code	MM#	AC Cord (C5)	Processor
Pentium Silver N6005 Kit (L6) – 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	
Celeron N5105 Kit (L6) – 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	
Celeron N4505 Kit (L6) – 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	

Intel® NUC 11 Essential Kit (L8)

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

Intel® NUC 11 Essential Mini PC (L10)

Product Code	MM#	AC Cord (C5)	Processor, RAM, Storage, OS
Celeron N4505 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	

Intel® NUC 11 Essential Board (L5) – NUC11ATBC4

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

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

"Alder County"

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Product Code	MM#	CPU	GPU	Display	Memory	Storage	OS	Color	Keyboard Layout	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 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

Target Usage Scenarios



Small Medium
Business



Content
Creation



Education



Leverages Intel® NUC
Compute Element
(U-Series)



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Intel® NUC P14E Laptop Element

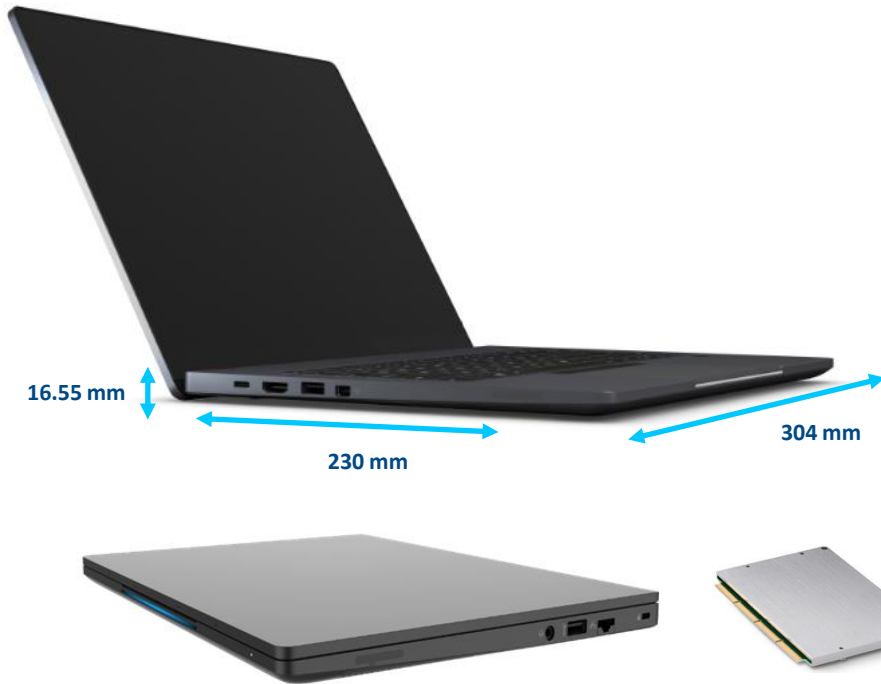
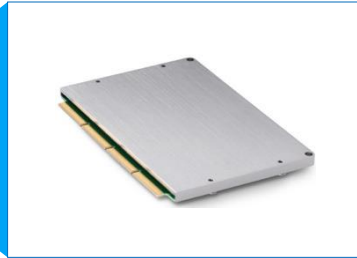
"Camden County"

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Support for Intel® NUC Compute Element (U-series)

All [Elk Bay](#) and [Hard 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)
- **Dual-channel 4GB to 16GB LPDDR4x** dual-channel Memory (from Elk Bay)
- **Dual-channel 8GB to 32GB LPDDR5** dual-channel Memory (from Hard 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™ 3** (from Elk Bay)
- **1x Thunderbolt™ 4** (from Hard Bay)
- **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** + Bluetooth® 5.2 (from Hard 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"

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Intel® NUC P14E Laptop Element (L4) Ordering Codes		
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 13 Pro (Tall only) Intel® NUC 12 Pro (Tall only) Intel® NUC 11 Pro (Tall only)	NUCIOALUWS	99C4JW



AC Adapters (no power cord)

Name	Compatible Products	Product Code	MM#
120W Desktop AC Adapter Accessory	Intel® NUC 13 Pro Intel® NUC 12 Pro Intel® NUC 11 Pro	NUCADP12WS	99C4JT



SFX Power Supply

Name	Compatible Products	Product Code	MM#
12VO 750W SFX 80+ Gold Modular Power Supply	Intel® NUC 13 Extreme Kit Intel® NUC 13 Extreme Compute Element	NUCPSU75RN	99C4NP



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Images shown are only a representation

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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The Intel logo is centered on a solid blue background. It features the word "intel" in a white, lowercase, sans-serif font. A small blue square is positioned above the letter "i". To the right of the word "intel" is a registered trademark symbol (®).

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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/>
- **How to contact Intel Customer Support**
<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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