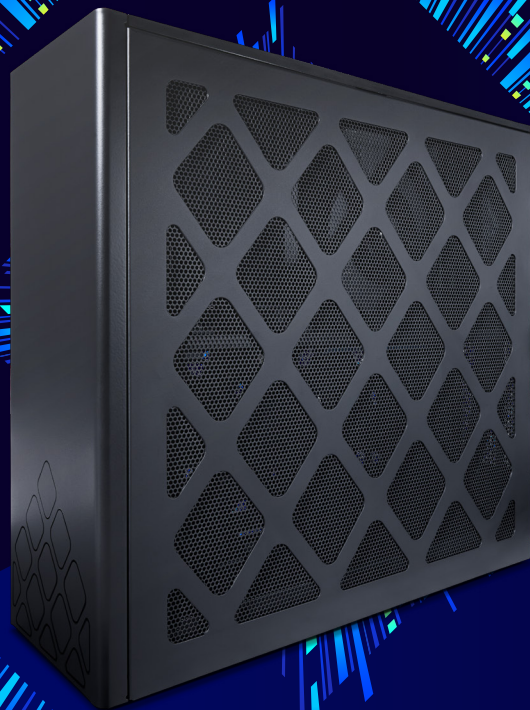


intel  
nuc

# Prey on the competition



## Intel® NUC 13 Extreme

intel.

CORE™

i9

intel.

CORE™

i7

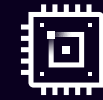
intel.

CORE™

i5

Featuring unlocked, 125W  
**13th Gen Intel® Core™ processors,**  
support for triple-slot 12" graphics cards,  
and an all-new thermal design for  
massive gaming.

# Compact Build. Massive Performance.



**125W 13th Gen  
Intel® Core™  
processors**



**12" (313 mm)  
triple-slot graphics  
card support**

This changes everything.  
The Intel® NUC 13 Extreme pairs  
off-the-charts performance and  
never-before-seen features with a  
streamlined thermal design.

The modular Intel® NUC 13 Extreme Compute  
Element features unlocked 13th Gen Intel® Core™  
i9/i7/i5 processors at 125W—nearly twice the  
Base Power of the previous generation—to create  
the most powerful Intel NUC ever.

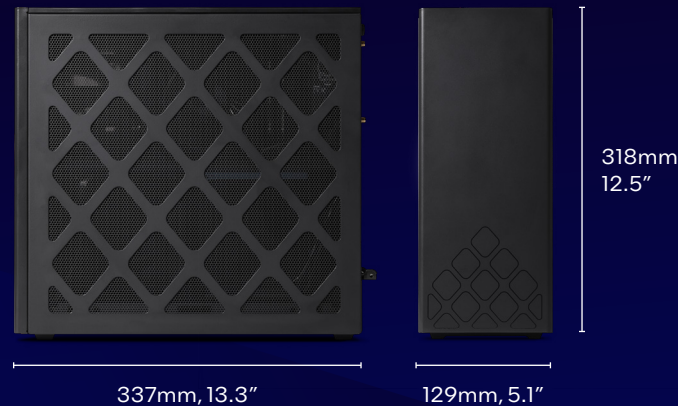
Gamers can take advantage of new triple-slot 12"  
graphics cards, dual-channel DDR5 memory  
supporting speeds of 4800+ MHz, and Intel®  
Killer™ Wi-Fi 6E—the first time those features  
have been available on an Intel NUC Extreme.  
With the new modern design, airflow is optimized  
to minimize noise and throttling during hours of  
intense gameplay.

This small-footprint powerhouse is packed with  
the performance, innovative features, and  
connectivity gamers want to take their gameplay  
to the next level, all backed by a three-year Intel  
warranty.

**Intel® NUC 13 Extreme:  
Reimagining gaming**



Ideal for **Gaming**



**Intel® NUC 13  
Extreme Compute  
Element**

## Features

- Intel® NUC 13 Extreme Compute Element
- Unlocked, 125W 13th Gen Intel® Core™ i9/i7/i5 processors
- Modern chassis design (129 x 318 x 337mm, <14L)
- PCIe x16 Gen5 slot supports triple-slot 12" (313mm) graphics cards, up to ~450W
- Dual-channel DDR5 SODIMMS, up to 64GB
- Intel® 2.5GbE (i226-V) / 10GbE (AQC113) LAN
- Intel® Killer™ Wi-Fi 6E AX1690i
- 2x Thunderbolt™ 4 / USB4 Type-C ports
- Fully modular 750W 80+ Gold SFX 12VO internal power supply
- Intel® NUC Software Studio
- Intel three-year Warranty

# Intel® NUC 13 Extreme Kits

13th Gen Intel® Core™ i9, i7 and i5 processors



		Kits		
		NUC13RNGi9	NUC13RNGi7	NUC13RNGi5
<b>Processor</b>		Intel® Core™ i9-13900K processor 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 processor Up to 5.4 GHz Intel® Turbo Boost Max Technology 3.0, 125W unlocked, 16 cores (8P+8E), 24 threads, 30MB Intel® Smart Cache, Intel® UHD Graphics 770	Intel® Core™ i5-13600K processor Up to 5.1 GHz Max Turbo, 125W unlocked, 14 cores (6P+8E), 20 threads, 24MB Intel® Smart Cache, Intel® UHD Graphics 770
<b>Graphics</b>		PCIe x16 Gen5 slot with PCIe 5.0 (12VHPWR) and 3x 6+2-pin PCIe power connectors, supports up to ~450W, 313mm length, triple-slot cards		
<b>Memory</b>		Dual channel DDR5 SODIMMs, 64GB max		
<b>Storage</b>		3x M.2 key M slots: 80mm CPU-attached PCIe x4 4.0 NVMe, 2x 42/80 PCH-attached PCIe 4.0 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable		
<b>Ethernet</b>		Intel® 2.5GbE (i226-V) / 10GbE (AQC113) LAN		
<b>Other features &amp; technologies</b>		HDMI 2.1 TMDS compatible connector (up to 4K60)   2x Thunderbolt™ 4 / USB4 Type-C ports   Supports 3x 4K displays (Intel® UHD Graphics) Intel® Wi-Fi 6E AX1690i, 802.11ax 2x2 ~3.0Gbps w/ 6GHz + Bluetooth® v5.2 (5.3 capable), dual external antennas 6x USB 3.2 Gen2 Type-A connectors (rear)   2x USB 3.2 Gen1 Type-A (front)   1x USB Gen2x2 Type-C (front) 3.5mm front stereo headset jack   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>Operating system</b>		Not included. Microsoft Windows 11 (logo'd), compatible with various Linux distros		
<b>Power</b>		Full modular - 750W 80+ Gold SFX 12VO internal power supply with geo-specific C13 AC cords		
<b>Geo-specific power cord</b>		No cord, US, EU, UK, AU, CN		
<b>What's needed</b>		Memory, storage, operating system		

# Intel® NUC 13 Extreme Kits

Additional technical specifications



## Processors (and iGPU)

- Intel® Core™ i9-13900K processor  
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 processor  
Up to 5.4 GHz Intel® Turbo Boost Max Technology 3.0, 125W unlocked, 16 cores (8P+8E cores), 24 threads, 30MB Intel® Smart Cache, Intel® UHD Graphics 770
- Intel® Core™ i5-13600K processor  
Up to 5.1 GHz Max Turbo 125W unlocked, 14 cores (6P+8E cores), 20 threads, 24MB Intel® Smart Cache, Intel® UHD Graphics 770

## Graphics Options

- PCIe x16 Gen5 slot with PCIe 5.0 (12VHPWR) and 3x 6+2-pin PCIe power connectors, supports up to ~450W, 313mm length, triple-slot cards

## Storage Capabilities

- 3x M.2 key M slots: 80mm CPU-attached PCIe x4 Gen4 NVMe, 2x 42/80 PCH-attached PCIe Gen4 NVMe or SATA3 SSD, RAID-0 and RAID-1 capable

## System Memory

- Dual channel DDR5 SODIMMs, 64GB max

## Connectivity

- HDMI 2.1 TMDS compatible connector (up to 4K60)
- 2x Thunderbolt™ 4 ports / USB4 Type-C ports
- Supports 3x 4K displays (Intel® UHD Graphics)
- Intel® 2.5GbE (i226-V) / 10GbE (AQC113) LAN

- 6x USB 3.2 Gen2 Type-A connectors (rear)
- Intel® Wi-Fi 6E AX1690i, 802.11ax 2x2 ~3.0Gbps w/ 6GHz + Bluetooth® v5.2 (5.3 capable), dual external antennas
- 2x USB 3.2 Gen1 Type-A (front)
- 1x USB Gen2x2 Type-C (Front)

## Baseboard Connectivity Features

- 2x SATA, USB 2.0 port
- 2x 2.5in HDD or 1x 3.5in HDD support
- 4 addressable RGB headers supporting up to 120 LEDs (30 LEDs per zone), configurable by Intel® NUC Software Studio

## System Bios

- 256Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V5.0b, SMBIOS2.5
- Intel® BIOS
- Intel® Express BIOS update support

## Hardware Management Features

- Voltage and temperature sensing
- ACPI-compliant power management control

## Expansion Capabilities

- 1x USB 3.2 Type-C header

## Audio

- Up to 7.1 multichannel digital audio via HDMI or DisplayPort (Type-C) signals
- 3.5mm front stereo headset jack
- Analog audio with discrete Mic-in, Line-in, Speaker-out, FP audio header

## Operating System Compatibility

- Microsoft Windows 11 (logo'd)
- Various Linux distros

## Security

- Kensington Lock ready

## Chassis Size

- 13.3" x 12.5" x 5.1"
- 337mm x 318mm x 129mm (<14L)

## Thermal design

- 2x 120mm system fans

## Power Requirements

- Full modular - 750W 80+ Gold SFX 12VO internal power supply with geo-specific C13 AC cords

## Environment Operating Temperature

- 0° C to +35° C

## Storage Temperature

- Sustained Storage Limits -20° C to +40° C
- Short Duration Limits -40° C to +60° C

## Safety Regulations and Standards

- IEC/EN/UL 60950-1
- IEC/EN/UL 62368-1

## EMC/RF Regulations and Standards

- FCC Part 15B/15C/15E
- CISPR/EN 55032/55024
- ICES-003
- VCCI 32

- BSMI CNS 13438
- KN 32/35
- AS/NZS CISPR 32
- EN 300 328
- EN 301 893
- EN 300 440
- EN 301 489-1/3/17
- EN 62311
- AS/NZS 4268
- AS/NZS 2772.2
- ARPANSA

## Environmental Regulations

- EU RoHS
- China RoHS
- Taiwan BSMI RoHS
- REACH
- Japan ROHS

## Energy Efficiency Regulations

- US Energy Star and CEC
- EU ErP Directive
- China CEL
- South Korea E-standby
- Australia GEMS
- Israel Energy Source

Level up your gaming

[www.intel.com/NUCgaming](http://www.intel.com/NUCgaming)

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Actual Intel® NUC may differ from the image shown.

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