intel nuc

Prey on the competition

Intel® NUC 13 Extreme

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

Mini. Modular. Mind-blowing.

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.

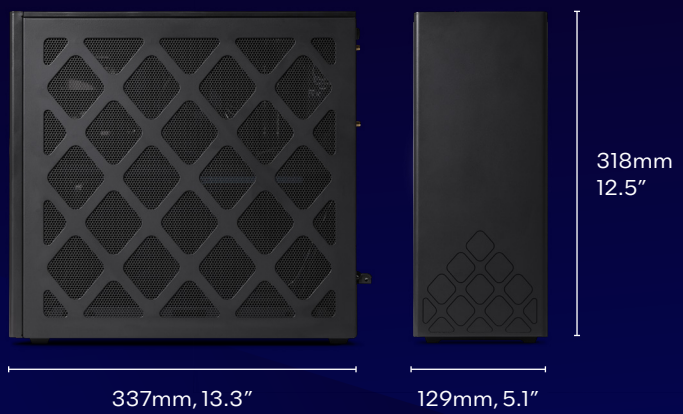
The modular Intel® NUC 13 Extreme Compute Element features unlocked 13th Gen Intel® Core™ i9/i7/i5 processors at 125W—nearly twice the Base Power of the previous generation—to create the most powerful Intel NUC ever.

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 Mini PC. 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
Processor	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
Graphics	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		
Memory	Dual channel DDR5 SODIMMs, 64GB max		
Storage	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		
Ethernet	Intel® 2.5GbE (i226-V) / 10GbE (AQC113) LAN		
Other features & technologies	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		
Operating system	Not included. Microsoft Windows 11 (logo'd), compatible with various Linux distros		
Power	Full modular - 750W 80+ Gold SFX 12VO internal power supply with geo-specific C13 AC cords		
Geo-specific power cord	No cord, US, EU, UK, AU, CN		
What's needed	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

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Actual Intel® NUC Mini PC or Kit may differ from the image shown.

Intel offers three-year limited warranties on Intel® NUC products purchased from Intel® Authorized Distributors. This warranty covers all hardware items included in the box.

Altering clock frequency or voltage may void any product warranties and reduce stability, security, performance, and life of the processor and other components. Check with system and component manufacturers for details.

Intel technologies may require enabled hardware, software or service activation.

No product or component can be absolutely secure.

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