

Raptor Canyon

Intel® NUC 13 Extreme – NUC13RNGi9



Simply NUC®

Raptor Canyon i9

NUC 13 Extreme NUC13RNGi9

Revolutionize your Gaming and Workstation Experience

Unlock a new age of gaming potential, with Raptor Canyon, the new Intel® NUC 13 Extreme. Powered by Intel's hot-off-the-press 13th Gen i9-13900K 125W desktop processor in a whole-new 14L form factor, Raptor Canyon allows for increased cooling, expanded customizability, and heightened functionality. For the first time on an Intel NUC, you can customize your Raptor with up to 64GB of DDR5-4800+ memory and up to 40TB of storage, opening the doors to playing all your favorite AAA games at the highest settings, flawlessly. The Intel® NUC 13 Extreme is here to revolutionize your gaming and workstation experience.

Peak Performance with Raptor Canyon

Raptor Canyon is the highest performing NUC on the market, bringing with it the ability to harness new technologies, such as DDR5 RAM, with speeds up to 5600MHz and three Gen4 compatible M.2 sockets to help you compete at the top of the leaderboard, or effortlessly tackle with your most complex CAD or content creation tasks. With Raptor Canyon, there is

nothing to hold you back from peak PC performance. Its Gen5 PCIe x16 socket gives you the flexible functionality you need, supplying up to 450W for your new triple-slot 12" graphics card or I/O expansion card of your choice. Raptor's new modern design with optimal airflow will minimize noise and throttling under intense workloads, and its beefy 750W internal power supply ensures you the peak performance you need to take your gameplay to the next level.

Mini. Modular. Mind-blowing.

Raptor Canyon offers heightened functionality with an upgraded offering of I/O, from its dual-LAN ports with 10Gb and 2.5Gb speeds for a super-fast reliable connection, to its dual Thunderbolt 4 ports for extra monitors, or I/O hubs to keep you at the height of productivity and performance. Raptor Canyon introduces a new NUC form factor – the larger chassis opens up expanded customizability with additional space to mount extra drives and connect more peripherals than ever before, helping you drive efficiency while still maintaining a significantly smaller footprint than a full-sized tower PC. Join the new era of gaming, with Raptor Canyon, it's Mini, Modular, and Mind-blowing.

Features

- 13th Gen Intel® Core™ i9-13900K
- Intel® UHD Graphics 770
- LGA1700 CPU Socket
- Dual DDR5 SO-DIMM sockets
- 1x PCIe x16 Gen5 socket
- 1x M.2 22x80 M-key supporting NVMe x4 PCIe
- 2x M.2 22x80 M-key supporting NVMe x4 PCIe or SATA SSDs
- 2x 2.5" drive OR 1x 3.5" drive
- Intel® Killer Wi-Fi 6E 1690i
- Bluetooth 5.2
- 1x Marvell 10Gb LAN
- 1x Intel® 2.5Gb LAN
- 1x HDMI 2.1 TDMS
- 2x Thunderbolt™ 4
- 6x USB 3.2 Gen2 Type-A
- 6x USB 3.2 Gen1 Type-A
- 1x USB 3.2 Gen2 Type-C
- 7.1 multichannel audio via HDMI or DisplayPort (Type-C)
- 3.5mm stereo headset jack
- 750W 80+ Gold SFX 12VO internal power supply - Fully modular
- Kensington Lock
- Extended Service Support (1-, 3-, 5-year)



Customization

- Primary storage sockets supporting up to NVMe Gen4 available up to 4TB, up to 8TB Gen3
- Secondary and tertiary storage sockets supporting up to NVMe Gen4 available up to 4TB, up to 8TB Gen3 or SATA SSD up to 2TB
- Dual 2.5" drives up to 8TB SATA per drive
- Memory up to 64GB
- Full-Length triple-slot GPU Support
- OS options including Windows 10/11, Windows Server 2019, Ubuntu

Technical Specification

Processor	Intel® 13th Gen Core™ i9-13900K 8P+16E/32T P-Cores: up to 5.8 GHz - E-Cores: up to 4.3 GHz 36MB Intel® Smart Cache 125W Unlocked TDP
Graphics	Intel® UHD Graphics 770 up to 1.65 GHz 1x HDMI 2.1 TDMS 2x Thunderbolt™ 4 (Alt-DP) 1x PCIe x16 Gen5 socket up to 450W Triple-slot GPU capable Max Length: 313mm Max Slot Thickness: 63mm Max Card Height:155mm Max Backplate Thickness: 3.5mm
Memory	Dual DDR5 SODIMMs 1.2V 64GB Max Up to 5600MHz
Storage	1x M.2 22x80 M-Key x4 PCIe supporting NVMe Gen4 (512GB to 4TB), Gen3 (128GB to 8TB) 2x M.2 22x80 M-Key x4 PCIe supporting NVMe Gen4 (512GB to 4TB), Gen3 (128GB to 8TB) and SATA SSD (128GB to 2TB) M.2 M-Key slots RAID-0 & RAID-1 Capable 2x SATA headers for single 3.5" or dual 2.5" drives supporting SATA SSD (128GB to 8TB)
Peripherals	Intel® Wi-Fi 6E AX1690i Bluetooth 5.2 1x 10Gb LAN (AQC113) 1x 2.5Gb LAN (i225-LM) 2x Thunderbolt 4 6x USB 3.2 Gen2 Type-A 2x USB 3.2 Gen1 Type-A 1x USB 3.2 Gen2 Type-C
Chassis	337 x 318 x 129 mm (<14L volume) Kensington Lock 2x 120mm system fans
Expansion	2x SATA ports 2x 12V PWM Fan headers USB 3.2 Gen 2 header DC power for SATA HDDs 4 addressable RGB headers supporting up to 120 LEDs
Audio	3.5mm front stereo headset jack Analog audio with discrete Mic-in, Line-in, Speaker-out, FP audio Header 7.1 multichannel audio via HDMI or DisplayPort (Type-C)
Power	Full modular - 750W 80+ Gold SFX 12VO internal power supply

Certifications and Regulations

Safety Regulations and Standards	IEC/EN/UL 60950-1 IEC/EN/UL 62368-1
EMC/RF Regulations & 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
Certified Operating Systems	Windows 10 64-bit (Pro and Home) Windows 11 64-bit (Pro and Home) Linux (Ubuntu)
Environmental Operating Temp	0°C to +35°C