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.

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

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 SFX12VO 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

<table>
<thead>
<tr>
<th>Kits</th>
<th>NUC13RNGi9</th>
<th>NUC13RNGi7</th>
<th>NUC13RNGi5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Processor</strong></td>
<td>Intel® Core™ i9-13900K processor&lt;br&gt;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</td>
<td>Intel® Core™ i7-13700K processor&lt;br&gt;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</td>
<td>Intel® Core™ i5-13600K processor&lt;br&gt;Up to 5.1 GHz Max Turbo, 125W unlocked, 14 cores (6P+8E), 20 threads, 24MB Intel® Smart Cache, Intel® UHD Graphics 770</td>
</tr>
<tr>
<td><strong>Graphics</strong></td>
<td>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</td>
<td></td>
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<tr>
<td><strong>Memory</strong></td>
<td>Dual channel DDR5 SODIMMs, 64GB max</td>
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<tr>
<td><strong>Storage</strong></td>
<td>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</td>
<td></td>
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<tr>
<td><strong>Ethernet</strong></td>
<td>Intel® 2.5GbE (i226-V) / 10GbE (AQC113) LAN</td>
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<tr>
<td><strong>Other features &amp; technologies</strong></td>
<td>HDMI 2.1 TMDS compatible connector (up to 4K60)</td>
<td>2x Thunderbolt™ 4 / USB4 Type-C ports</td>
<td>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 (front)</td>
</tr>
<tr>
<td><strong>Operating system</strong></td>
<td>Not included. Microsoft Windows 11 (logo’d), compatible with various Linux distros</td>
<td></td>
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<tr>
<td><strong>Power</strong></td>
<td>Full modular - 750W 80+ Gold SFX 12VO internal power supply with geo-specific C13 AC cords</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Geo-specific power cord</strong></td>
<td>No cord, US, EU, UK, AU, CN</td>
<td></td>
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<tr>
<td><strong>What's needed</strong></td>
<td>Memory, storage, operating system</td>
<td></td>
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</tr>
</tbody>
</table>

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**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
- 2x 120mm system fans
- 3x 6+2-pin PCIe power connectors, supports up to ~450W
- Intel® UHD Graphics 770

System Memory
- Dual channel DDR5 SODIMMs, 64GB max

Connectivity
- HDMI 2.1 TDMI 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
- Intel® UHD Graphics 770

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)

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

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

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

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