INTEL® NUC 9 PRO

A COMPACT WORKSTATION FOR ALL YOUR CREATIVE TASKS

Render faster, visualize more with full-powered GPUs
Behind every creator is a workhorse like the Intel® NUC 9 Pro kit, a compact workstation with room for the latest desktop graphics. Powered by the Intel® NUC 9 Pro Compute Element, this first-ever Intel NUC workstation is built to handle demanding content creation, data analysis, and AI development and inference tasks.

The Intel NUC 9 Pro Compute Element, powered by an Intel® Xeon® or Intel® Core™ i7 vPro® processor, delivers top-end performance—all in a 5 liter chassis small enough to sit behind a monitor. Plus, there are two Thunderbolt™ 3 ports for fast data transfers and 500 watts of onboard power for a dual-slot PCIe* x16 graphics card. Whether you’re visualizing a financial quantitative analysis or using AutoCAD to design a new building, the Intel NUC 9 Pro gives you the power to create.

**Intel NUC 9 Pro: Uncompromised Performance in Unconventional Packaging**
# INTEL® NUC 9 PRO KITS

Built with 9th generation Intel® processors

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<tr>
<th>NUC9vXQNX</th>
<th>NUC9v7QNX</th>
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| **Processor** | Intel® Xeon® E-2286M Processor  
2.4 GHz – 5.0 GHz Turbo; 8 Core, 16 thread, 16 MB Cache, 45W  
Intel vPro® Technology, Intel® AMT | Intel® Core™ i7-9850H  
2.6 GHz – 4.6 GHz Turbo; 6 Core, 12 thread, 12 MB Cache, 45W  
Intel vPro® Technology, Intel® AMT |
| **Graphics** | Intel® UHD Graphics P630, 350 MHz - 1250 MHz  
Dual-slot PCIe x16 slot | Intel® UHD Graphics 630, 350 MHz - 1150 MHz  
Dual-slot PCIe x16 slot |
| **Memory** | Dual-channel DDR4 SODIMM slots (max 64 GB), ECC memory support | Dual-channel DDR4 SODIMM slots (max 64 GB) |
| **Storage** | 2x M.2 key M slots: 42/80 + 42/80/110 PCH-attached PCIe x4 Gen3, RAID-0 and RAID-1 capable,  
CPU-attached M.2 slot 42/80/110 PCIe X4 Gen3 | |
| **Other Features & Technology** | HDMI* 2.0a, Thunderbolt™ 3, Intel® Gigabit LAN, SDXC card slot with UHS-II support, Intel® Optane™ SSD and Intel® Optane™ Memory M10 and H10 ready,  
Intel® Wi-Fi 6, Bluetooth® v5, USB 3.1, TPM 2.0, 3-Year Limited Warranty | |
| **Geo-Specific Power Cord** | US, EU, UK, AU, CN, or No Cord Option | |
| **Operating System** | Not Included | |
| **What’s Needed** | Memory, Storage, Operating System, Desired PCIe Peripherals | |
INTEL® NUC 9 PRO KITS

Additional Technical Specifications

Processors
NUC9vXQNX
- Intel® Core™ i7-9850H (2.6 GHz – 4.6 GHz Turbo, 6 Core, 12 thread, 16 MB Cache, 45W)

NUC9v7QNX
- Intel® Core™ i7-9700K (3.6 GHz – 4.9 GHz Turbo, 8 Core, 16 thread, 16 MB Cache, 95W)

NUC9vXQNX
- Intel® Core™ i5-9400F (2.9 GHz – 4.1 GHz Turbo, 6 Core, 6 thread, 9 MB Cache, 65W)

NUC9v7QNX
- Intel® Core™ i5-9400F (2.9 GHz – 4.1 GHz Turbo, 6 Core, 6 thread, 9 MB Cache, 65W)

NUC9v7YQNX
- Intel® Core™ i3-9100F (3.6 GHz – 4.2 GHz Turbo, 4 Core, 8 thread, 6 MB Cache, 65W)

NUC9v7YQNX
- Intel® Core™ i5-9400F (2.9 GHz – 4.1 GHz Turbo, 6 Core, 6 thread, 9 MB Cache, 65W)

NUC9vXQNX
- Intel® Core™ i7-10750H (2.6 GHz – 5.1 GHz Turbo, 8 Core, 16 thread, 12 MB Cache, 45W)

Storage Capabilities
- Two M.2 key M slots: 42/80 + 42/80/110 PCH-attached PCIe x4 Gen3 NVMe/AHCI or SATA3 SSD, Intel® Optane™ SSD and Intel® Optane™ Memory M10 and H10 ready
- CPU-attached M.2 slot 42/80/110 PCIe X4 Gen3, Intel Optane SSD ready
- PCIe X16 slot
- PCIe X4 slot

System Memory
- Two DDR4 SODIMM sockets (Dual channel DDR4-2666 SODIMMs, 1.2V, max 64 GB @ 2400 MHz or 32 GB @ 2666 MHz)

NUC9vXQNX
- ECC Memory Support

Management
- Intel® Active Management Technology for out-of-band management

Connectivity
- Intel UHD Graphics 630, 350 MHz - 1250 MHz
- Intel® UHD Graphics 630, 350 MHz - 1150 MHz
- PCIe X16 slot with 6+2-pin & 6-pin PCIe power connectors, up to 225W, up to 8” card length, dual-slot capable
- PCIe X16 slot with 6+2-pin & 6-pin PCIe power connectors, up to 225W, up to 8” card length, dual-slot capable
- PCIe X4 slot with 6+2-pin & 6-pin PCIe power connectors, up to 225W, up to 8” card length, dual-slot capable

Audio
- Up to 7.1 multichannel digital audio via HDMI or Thunderbolt 3
- 3.5 mm front stereo headset jack
- 3.5 mm rear speaker/ TOSLINK combo jack

Operating System Compatibility
- Windows* 10
- Windows Server 2019*
- Various Linux* distros

Front Panel Header
- Internal Front Panel Audio, CEC, 2x USB 3.1 headers, 2x USB 2.0 headers

Chassis Size
- 9.37” x 8.50” x 3.77”
- 238 mm x 216 mm x 96 mm

Power Requirements
- 19Voc 90W power supply adapter with geo-specific AC cords

Environment Operating Temperature
- 0° C to +35° C
- 0° C to +60° C

Storage Temperature
- -40° C to +85° C
- -40° C to +95° C

Safety Regulations and Standards
- IEC/EN/UL 60950-1
- IEC/EN/UL 62368
- FCC Part 15B/15E
- CISPR/EN 55032/55024
- VCCI 32
- EU RoHS
- China RoHS
- Taiwan BSMI RoHS
- REACH

18X more bandwidth with Thunderbolt 3™ than USB 3.0: Data transfer rates, different from total available bandwidth for data and display traffic, depend on system configuration. 19X improvement over USB 3.0 refers to total available bandwidth for data and display, not data transfer rates. Data transfer rates depend on system configuration.

Max turbo frequency is the maximum single core frequency at which the processor is capable of operating using Intel® Turbo Boost Technology and, if present, Intel® Thermal Velocity Boost. Frequency is measured in gigahertz (GHz), or billions of cycles per second.

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See work in action. www.intel.com/NUC