

intel® NUC

INTEL® NUC 9 PRO

A COMPACT WORKSTATION FOR ALL YOUR CREATIVE TASKS

Render faster, visualize more
with full-powered GPUs



CREATE AT WILL, 24/7/365

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**

1ST INTEL® NUC WORKSTATION

1ST INTEL NUC TO
SUPPORT DESKTOP
GRAPHICS

8X MORE
BANDWIDTH WITH
THUNDERBOLT™ 3¹

FEATURES

- Intel Xeon processor
- Intel Core i7 vPro processor
- HDMI* 2.0a
- Two Thunderbolt 3 ports
- Four USB 3.1 ports
- Supports 3x 4K displays
*(additional displays supported with
an add-in graphics card)*
- Intel® Wi-Fi 6
- Bluetooth* 5
- Two Intel® Gigabit LAN ports
- Dual-slot PCIe x16 slot
- 3-year limited warranty

IDEAL FOR

- Content creation
- AI development and inference
- Edge analytics
- Data visualization
- CAD

AVAILABLE SKUs

- Intel® NUC Kit
- Intel® NUC Compute Element



INTEL® NUC 9 PRO KITS

Built with 9th generation Intel® processors



NUC9vXQNX



NUC9v7QNX

Processor	Intel® Xeon® E-2286M Processor 2.4 GHz – 5.0 GHz Turbo, ² 8 Core, 16 thread, 16 MB Cache, 45W Intel vPro® Technology, Intel® AMT	Intel® Core™ i7-9850H 2.6 GHz – 4.6 GHz Turbo, ² 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® Xeon® E-2286M Processor (2.4 GHz – 5.0 GHz Turbo, 8 Core, 16 thread, 16 MB Cache, 45W)

NUC9v7QNX

- Intel® Core™ i7-9850H (2.6 GHz – 4.6 GHz Turbo, 6 Core, 12 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

Graphics

- PCIe X16 slot with 6+2-pin & 6-pin PCIe power connectors, up to 225W, up to 8" card length, dual-slot capable

NUC9vXQNX

- Intel® UHD Graphics P630, 350 MHz - 1250 MHz

NUC9v7QNX

- Intel® UHD Graphics 630, 350 MHz - 1150 MHz

Connectivity

- HDMI* 2.0a ports
- Two Thunderbolt™ 3 ports
- Six USB 3.1 Gen2 Type-A ports
- Two Intel® 10/100/1000 Mbps (i219-LM and i210-AT) Ethernet ports
- Intel® Wi-Fi 6 AX200 2.4 Gbps
- Bluetooth* v5
- SDXC slot with UHS-II support

System BIOS

- 256 Mb 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

- Temperature sensing
- ACPI-compliant power management control

Expansion Capabilities

- 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

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

- 19Vdc 90W power supply adapter with geo-specific AC cords

Environment Operating Temperature

- 0° C to +35° C

Storage Temperature

- 0° 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

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

¹ 8X 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. 8X 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.

² 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 billion cycles per second.

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