Dragon Canyon Pro

Intel® NUC 12 Pro X – NUC12DCMv7

intel vPRO i7

Simply NUC®

Dragon Canyon Pro v7

NUC 12 Pro X NUC12DCMv7

A New Gold Standard for Business Workstations

Sporting the all-new 12th Gen Intel® Core™ i7-12700 desktop processor, with support for a full-sized graphics card, 64GB of ECC RAM, and three M.2 sockets for up to 18TB of NVMe storage, Dragon Canyon Pro has ample performance and capacity to meet all your workstation needs. All three of the storage sockets on Dragon Canyon Pro are Gen4 compatible, allowing you to maximize your read/write speeds with the latest in NVMe technology, greatly increasing your business efficiencies. Dragon Canyon Pro packs 650W of performance in a compact 8-liter chassis making it your versatile package to unlock the new gold standard in business workstations.

Taking your Infrastructure to New Heights

Dragon Canyon Pro is equipped with a 5th generation PCIe x16 slot to support the latest and greatest in GPU technology and an LGA1700 socket for the CPU, allowing you to upgrade your CAD workstations, analysis servers, and automated data augmentation devices, taking your internal IT infrastructure to new heights with increased processor and graphics performance, and higher quality output.

Unlock your IT Potential with Intel® vPro™

Dragon Canyon Pro helps you keep deployment times short and maintenance overhead low with Intel® vPro™ Technology, allowing secure remote management of your Intel NUC fleet from anywhere. Save both time and resources by eliminating the need to send staff to perform routine updates or software adjustments locally, allowing you to focus on the things that matter most to your organization.

Features

- 12th Gen Intel® Core™ i7-12700
- Intel® vPro™ Technology
- Intel® UHD Graphics 770
- LGA1700 CPU Socket
- Dual DDR4-3200 SO-DIMM sockets, supporting ECC memory
- 1x PCIe x16 Gen5 socket
- 3x M.2 22x80 M-key supporting NVMe x4 PCIe or SATA SSDs
- Intel® Optane™ Memory & Storage ready
- SDXC slot with UHS-II support
- Intel® Wi-Fi 6E AX211 + Bluetooth 5.2
- 1x Marvell 10Gb LAN
- 1x Intel® 2.5Gb LAN
- 1x HDMI 2.0b (4K @ 60Hz)
- 2x Thunderbolt™ 4 (Alt-DP)
- 7x USB 3.2 Gen2 Type-A
- 1x USB 3.2 Gen2 Type-C
- 7.1 multichannel digital audio via HDMI or DisplayPort
- 3.5mm stereo headset jack
- 650W 80+ Gold internal power supply
- Customizable RGB Lighting
- Kensington Lock with Panel Security
- Extended Service Support (1-, 3-, 5-year)

Customization

- Primary, secondary and tertiary storage sockets supporting up to NVMe Gen4 available up to 4TB, up to 8TB Gen3 or SATA SSD up to 2TB
- Memory up to 64GB, ECC or Non-ECC
- Full-Length GPU Support
- Replaceable RGB-Backlit Front Logo
- OS options including Windows 10, Windows Server 2019, Ubuntu

Technical Specification

Processor	Intel® 12th Gen Core™ i7-12700 with vPro | 2.1GHz to 4.9GHz Turbo | 12C/20T | 35MB Intel® Smart Cache | 65W TDP
Graphics	Intel® UHD Graphics 770 up to 1.5GHz | 1x HDMI 2.0b (4K @ 60Hz) | 2x Thunderbolt™ 4 (Alt-DP) | 1x PCIe x16 Gen5 socket up to 350W | up to 12" card length dual-slot capable | Max Length: 305mm | Max Slot Thickness: 45.9mm (~2.2 Slots) | Max Card Height:130mm | Max Backplate Thickness: 3.5mm
Memory	Dual DDR4-3200 SODIMMs 1.2V | 64GB Max | Intel® Optane™ Memory ready | ECC memory support
Storage	3x 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 | SDXD Slot with UHS-II Support up to 2TB | Intel® Optane™ Storage ready
Peripherals	Intel Wi-Fi 6E AX211, 802.11ax | Bluetooth 5.2 | 1x 10GB LAN (AQC113) | 1x 2.5GB LAN (i225-LM) | 7x USB 3.2 Gen2 Type-A | 1x USB 3.2 Gen2 Type-C
Chassis	357mm x 189 x 120mm (8L) | Kensington lock with panel security | Replaceable RGB-Backlit front logo | Customizable RGB lighting
Expansion	2x USB 3.1 Headers | 2x USB 2.0 Headers
Audio	3.5mm front stereo headset jack | 7.1 multichannel digital audio via HDMI or DisplayPort
Power	650W 80+ Gold 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
Environmental Regulations	EU RoHS | China RoHS | Taiwan BSMI RoHS | REACH
Certified Operating Systems	Windows 10 64-bit (Pro and Home) | Linux (Ubuntu)
Environmental Operating Temp	0°C to +35°C