

Dragon Canyon i9 - NUC12 Extreme NUC12DCMi9

Set Ablaze Your New Standard in Gaming

Overpower the competition in the greatest games and experiences with the all-new Dragon Canyon, powered by Intel's latest 12th Gen Core i9-12900 processor. Implementing an LGA1700 CPU socket makes Dragon Canyon the first ever Intel NUC to support a socketed Desktop CPU, giving you scorching performance in an 8L Chassis that can span processor generations. Supporting up to three Gen4 PCIe Drives and 64GB of 3200MHz RAM, along side a full-length GPU in its Gen5 x16 PCIe slot, Dragon Canyon is the new industry leader in small form factor gaming.

From Gaming to Content Creation, Dragon Canyon Takes Flight

Dragon Canyon is flush with new technology to help you create better and game better. From its dual Thunderbolt™ 4 ports, to its 10Gb ethernet port, Dragon Canyon delivers unprecedented data rates allowing you to stream,

game or browse at scorching speeds. Don't want to be plugged in? No problem, Dragon Canyon has Intel® Wi-Fi 6E & Bluetooth 5.2 built in to provide the flexibility you need. Flexible functionality of the x16 PCIe slot lets you choose your favorite graphics card or explore add-in cards to enable additional ethernet ports, or even a capture card for live streaming and content creation.

True Immersion in a Small Footprint

Pair your Dragon Canyon with a Nvidia GeForce RTX 30 series graphics card and your favorite VR headset to unlock a new world of gaming and entertainment. Dragon Canyon will allow you to play the latest in premium VR games and 360 experiences without sacrificing performance or quality. If you prefer to keep your VR setup on the move or out of sight, it has you covered. With its lightweight chassis and small 8L footprint, Dragon Canyon was built to be portable, giving you the compute power you need, where you need it.

Highlighted Features

- 12th Gen Intel® Core™ i9-12900
- Intel® UHD Graphics 770
- LGA1700 CPU Socket
- 2x DDR4-3200 SO-DIMM Sockets
- 1x PCIe Gen5 x16 slot
- 3x M.2 22x80 M-key supporting NVMe x4 PCIe or SATA SSDs
- Intel® Optane™ Memory & Storage ready
- SDXC slot with UHS-II support
- 3x 4K @60Hz Displays
 - HDMI 2.0b
 - 2x Thunderbolt 4 (Alt-DP)
- 1x Marvell 10Gb LAN
- 1x Intel® 2.5Gb LAN
- Intel® Wi-Fi 6E AX211 + Bluetooth 5.2
- 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

- 3x M.2 22x80 sockets supporting NVMe x4 Gen4 PCIe available from 256GB to 8TB or SATA SSD from 256GB to 2TB
- DDR4-3200 memory from 8GB to 64GB
- Full Length GPU options including RTX3060, RTX3070, RTX3080
- Replaceable RGB-Backlit Front Logo
- OS options including Windows 10, Windows Server 2019, Ubuntu

Simply NUC Services

You can order this NUC in your various configurations, as well as your corporate OS Image loaded and ready to deploy.

Technical Specification

Processor

- Intel® 12th Gen Core™ i9-12900, 2.4GHz to 5.1GHz Turbo, 16C/24T, 30MB Intel® Smart Cache, 65W-202W

Graphics

- Intel® UHD Graphics 770, up to 1.5GHz
- 3x 4K Displays Supported
 - 1x HDMI 2.0b
 - 2x Thunderbolt 4 Ports
- 4x 1080p Displays Supported
- 1x 8K Display Supported

System Memory

- Dual DDR4-3200 SODIMMs, 1.2V, 64GB Max
- Intel® Optane™ Memory ready

Storage Capabilities

- 3x M.2 22x80 M-Key slots enabling NVMe x4 PCIe Gen4 (256GB to 8TB) and SATA SSD (256GB 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

Peripheral Connectivity

- Intel Wi-Fi 6E AX211, 802.11ax
- Bluetooth 5.2
- 1x 10GB LAN (AQC113)
- 1x 2.5GB LAN (i225-LM)
- 1x Front USB 3.2 Gen2 Type-A
- 6x Rear USB 3.2 Gen2 Type-A
- 1x Front USB 3.2 Gen2 Type-C

Baseboard Power Requirements

- 650W 80+ Gold internal power supply with geo-specific AC cords

Expansion Options

- 2x USB 3.1 Headers
- 2x USB 2.0 Headers
- PCIe x16 Gen5 Slot for up to a 12" Dual Slot GPU (RTX3060, RTX3070, RTX3080 currently supported)

Chassis Information

- 357mm x 189 x 120mm (8L)
- Kensington Lock with Panel Security
- Replaceable RGB-Backlit Front Logo
- Customizable RGB lighting

Audio

- 3.5mm front stereo headset jack
- 7.1 multichannel digital audio via HDMI & DisplayPort

Certifications and Regulation

Safety Regulations and Standards

- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No.60950-1

EMC/RF Regulations & Standards

- FCC CFR Title 47, Chapter I, Part 15, Subparts A, B, C, E
- EN 55022
- EN 55024
- ICES-003
- ETSI EN 300 328
- ETSI EN 301 489-1

Environmental Regulations

- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- China RoHS

Environmental Operating Temp

- 0°C to +40°C
- Non-Condensing Humidity

Certified Operating Systems

- Windows 11/10 64-bit (Pro and Home)
- Windows Server 2019
- Ubuntu Linux