

Intel® NUC 12 Enthusiast

"Serpent Canyon"

intel
CORE
i7

12th Gen Intel® Core™ i7-12700H processor

Up to 4.7 GHz Intel® Turbo Boost Max Technology 3.0
Frequency6P + 8E cores, 20 threads
24MB Intel® Smart Cache
Intel® Iris® Xe Graphics eligible, up to 1.4 GHz

intel
ARC
GRAPHICS

Intel® Arc™ A770M Graphics

16GB GDDR6 VRAM



Display Support

- HDMI 2.1 TMDs Compatible port (up to 4K60)
- 2x DisplayPort 2.0 (1.4 certified) ports

Memory

- Dual channel DDR4-3200MHz SODIMMs, 1.2V, 64GB max
- Mini PC SKU: 16GB (2x 8GB) DDR4-3200MHz

Storage

- 2x M.2 22x80 PCIe x4 Gen4 NVMe and 1x M.2 22x80 PCIe x4 Gen3 NVMe or SATA3 SSD
- Mini PC SKU: 1TB PCIe Gen4 NVMe SSD

Connectivity

- 2x Thunderbolt™ 4 / USB4 Type-C ports (1x front, 1x rear)
- 1x Intel® 2.5Gb (i225-LM) Ethernet port
- Intel® Killer™ Wi-Fi 6E AX1690i, 802.11ax 2x2 ~3.0 Gbps w/ 6GHz and DCT + Bluetooth® 5.2, with internal antennas
- 2x front, 4x rear USB 3.2 Gen2 ports, and 2x USB 2.0 via internal headers
- SDXC slot with UHS-II support

Audio

- Up to 7.1 multichannel digital audio via HDMI or DisplayPort signals
- 3.5mm front stereo headset jack
- 3.5mm rear speaker / TOSLINK combo jack
- Beam-forming, dual-mic array

Other features

- 1x front Consumer Infrared (CIR) port
- Plastic chassis with metal inner frame, Kensington lock ready with base security
- 230 mm x 180 mm x 60 mm (~2.5L)
- 19.5 V_{DC} 330W power supply with geo-specific C13 AC cords
- Common I/O header with Front Panel, CEC, 2x USB 2.0 signals
- RGB-backlit top logo, with user-replaceable mask
- Windows 11 (logo'd), compatible with various Linux distros
- Mini PC SKU: Windows 11 Home pre-installed
- Vertical stand included
- Individual retail packaging
- Three-year Warranty

SKUs

- Mini PC | Kit | Chassis | Compute Element