

## Topaz 2 i7 - 12<sup>th</sup> Gen Simply NUC Mini NUC12TZi7

### A Polished Experience

Introducing the new Topaz 2, equipped with the brand new 12th Gen Intel® Core™ i7 processor, Intel® Xe Graphics and your choice of DDR4-3200 memory and Gen4 NVMe drive, delivering an even more polished experience than its predecessor while keeping you at the forefront of technology. Topaz 2 i7 offers 12 cores and 16 threads paired with the new Intel® Thread Director keeping you running smoothly, no matter the application or workload, thanks to its hybrid core architecture.

### Crystal Clear Computing

Enjoy jaw-dropping visuals driven by Intel Xe Graphics. Topaz 2 can control an 8K display, or up to four 4K displays to give your Digital Signage or home workstation the visual flair and

immersion you are looking for. Hardwire Topaz 2 with ease to your router or home network with lightning-fast dual 2.5Gb Ethernet ports or go wireless with Intel Wi-Fi 6E giving you superior download and transfer speeds while enjoying total security with the onboard TPM 2.0.

### Perfect your everyday computing

From your ideal home computing set-up to a brilliant 8K home cinema with 7.1 surround sound support, Topaz 2 has you covered with its substantial range of ports, providing a truly versatile experience. You will never be caught without the ports you need, thanks to the replaceable lid for I/O expansion on Topaz 2, with add-ons like extra HDMI or USB ports, or a quad HDTV tuner. Perfect your everyday computing today with Topaz 2.



### Highlighted Features

- 12th Gen Intel® Core™ i7-1260P
- Intel® Iris® X<sup>e</sup> Graphics
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-key PCIe x4 socket supporting Gen 4 NVMe SSDs
- 1x M.2 22x80 socket supporting SATA SSDs
- 2x Intel® 2.5Gb LAN
- Intel® Wi-Fi 6 + Bluetooth 5.1
- 1x HDMI 2.0b
- 1x DisplayPort 1.4
- 2x USB-C (Alt-DP 1.4)
- 4x USB 3.2 Gen 2 Type-A Ports
- 2x USB 3.2 Gen 2 Type-C Ports
- 3.5mm stereo headset jack
- TPM 2.0
- Kensington Lock support
- VESA Mount included
- 19v 90W power supply included
- 3-yr Warranty and Extended Support Service

### Customization

- Memory up to 64GB
- Primary storage socket supporting up to 4TB NVMe Gen4 or 8TB NVMe Gen3 SSD
- Secondary storage socket supporting up to 2TB SATA
- Replaceable lid for I/O expansion
- OS options including Windows 10 Home and Pro, Windows IoT, 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 Specifications

### Processor

- Intel® 12th Gen Core™ i7-1260P, 4P+8E/16T, P-Cores: up to 4.7GHz E-Cores: up to 3.4GHz 18MB Intel® Smart Cache, 28W

### Baseboard Power Requirements

- 19VDC, 90W Power Supply Included
- 12-19V<sub>DC</sub> input range

### System Memory

- Dual DDR4-3200 SODIMMs, 1.2V, 64GB Max

### Graphics

- Intel® Iris® Xe Graphics
- 1x HDMI 2.0b
- 1x DisplayPort 1.4++
- 2x USB-C (Alt-DP)

### Expansion Options

- 2x USB 2.0 headers
- 1x COM header (RS-232/422/485)
- Replaceable lid

### Chassis Information

- 115x115x49mm
- Kensington lock support
- VESA mount kit support

### Audio

- 3.5mm front stereo headset jack

### Peripheral Connectivity

- 2x 2.5Gb Ethernet (i225LM)
- 4x USB 3.2 Gen 2 type-A
- 2x USB 3.2 Gen 2 type-C
- Intel® Wi-Fi 6 AX200 (802.11ax)
- Bluetooth 5.1

### Storage Capabilities

- 1x M.2 22x80 socket supporting x4 PCIe Gen 4 from 128GB to 4TB, Gen 3 from 128GB to 8TB.
- 1x M.2 22x80 socket supporting SATA SSD from 128GB to 2TB

## Certifications and Regulation

### Safety Regulations and Standards

- IEC 62368-1
- EN 62368-1
- CAN/CSA 62368-1

### Environmental Operating Temp

- 0°C to +60°C
- Non-Condensing Humidity

### EMC/RF Regulations and Standards

- FCC CFR Title 47, Chapter I, Part 15, Subpart B
- EN 55024
- EN 55032
- EN 55035
- CISPR 32
- ICES-003
- ETSI EN.301 489-1
- ETSI EN.301 489-17

### Environmental Regulations

- RoHS Compliant
- REACH Compliant

### Certified Operating Systems

- Windows 10 Pro, Home, IoT, Ubuntu