

Topaz 2 i3 - 12th Gen Simply NUC Mini NUC12TZi3

A Polished Experience

Introducing the new Topaz 2, equipped with the brand new 12th Gen Intel® Core™ i3 processor, Intel® UHD 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 i3 offers 6 cores and 8 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 UHD 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™ i3-1215U
- Intel® Iris® UHD 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
- 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™ i3-1215U, 2P+4E/8T, P-Cores: up to 4.4GHz E-Cores: up to 3.3GHz 10MB Intel® Smart Cache, 15W

Baseboard Power Requirements

- 19VDC, 90W Power Supply Included
- 12-19V_{DC} input range

System Memory

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

Graphics

- Intel® UHD 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