

Topaz i7 - 11th Gen Simply NUC Mini NUC11TZi7

High-Speed Performance

Featuring the new 11th Gen Intel Core mobile processor with Xe graphics, and support for high-speed 3200MHz DDR4 memory, Topaz is a new performance-driven small form factor PC. At home, stream 4K video, play games, or finish your homework. At work, Topaz keeps you productive -- perfect for content creation, multitasking, and video conferencing. The Tiger Lake-based processors and high-speed memory remove bottlenecks keeping you on task or helping you relax while tucked behind a TV or monitor via the included VESA plate.

Feature Rich for Versatility

Topaz supports up to four displays simultaneously, with up to 4K resolution at 60Hz for each monitor. Intel Dual ethernet with 2.5Gbps and 1Gbps speeds allow you to connect to multiple networks. Topaz also features TPM for sensitive communications where encryption is required. Take advantage of Intel® Wi-Fi 6

(802.11ax) with high-speed connectivity enhanced for efficient bandwidth usage in environments with many connected devices. Topaz has ample accommodation for all your peripheral devices with four front 10Gbps SuperSpeed USB ports plus two rear Hi-Speed USB Type-A ports. And if six USB ports is not enough, add a functional lid to your configuration for more I/O connections.

Efficiency by Design

Topaz, built on Intel 11th Gen architecture, provides greater system performance over previous generations with advanced hyperthreading technologies driving faster speeds and enhanced graphics. Cloud computing, immersive gaming, and streaming all demand increasing computing performance with optimal energy efficiency. From the very beginning, Intel engineers designed their "Tiger Lake" core to meet those demands with more core throughput, larger caches, and powerful multi-threading capabilities.

Highlighted Features

- Intel® Core i7-1165G7
- Intel® Iris® X^e Graphics
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-key supporting PCIe x4 Gen 4 NVMe or SATA SSDs
- 1x Secondary M.2 for SATA SSDs
- 4x 4K @ 60Hz Displays
 - 1x HDMI 2.0b
 - 1x DisplayPort 1.4
 - 2x USB-C (Alt-DP)
- 1x Intel® 2.5Gb LAN
- 1x Intel® 1.0Gb LAN
- Intel® Wi-Fi 6 + Bluetooth 5.1
- 2x USB-C with Alt-DP
- 4x USB 3.2 Gen1 Type-A Ports
- 2x USB 2.3 Gen 2 Type-C Ports
- 3.5mm stereo headset jack
- TPM Down (Infineon 2.0)
- Kensington Lock support
- VESA Mount Enabled
- 19v 90W Power Supply Adapter
- Extended Service Support (1-3 year)

Customization

- DDR4-3200 memory from 8GB to 64GB
- 1x M.2 22x80 socket supporting PCIe x4 Gen 4 NVMe available from 256GB to 8TB or SATA SSD from 256GB to 2TB
- 1x M.2 22x80 Socket supporting SATA SSD from 256GB to 2TB
- OS options including Windows 10 Home & 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[®] 11th Gen Core™ i7-1165G7, 4C/8T, 2.80GHz – 4.70 GHz Turbo, 12MB Intel[®] Smart Cache

Audio

- 3.5mm Front Stereo Headset Jack

Peripheral Connectivity

- 10/100/1000/2500 Mbps
- 10/100/1000 Mbps RJ45 Ethernet
- 4x USB 3.2 Gen 2 Type-A Ports
- 2x USB 3.2 Gen 2 Type-C Ports
- 1x HDMI 2.0a Port
- 1x DisplayPort 1.4
- Intel[®] Wi-Fi 6 AX200 (802.11ax) with Bluetooth 5.1

Graphics

- Intel[®] Iris[®] Xe Graphics
- 4x 4K Displays Supported
 - 1x HDMI 2.0b
 - 1x DisplayPort 1.4
 - 2x USB-C (Alt-DP)
- 1x 8K Display Supported

Expansion Options

- 2x USB 2.0 Headers
- 1x Serial Header
- Replaceable Lid

Chassis Information

- 115 x 115 x 49 mm
- VESA Mount Kit Support

System Memory

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

Baseboard Power Requirements

- 90w 19v PSU Supplied

Storage Capabilities

- 1x M.2 22x80 socket supporting PCIe x4 Gen 4 NVMe available from 256GB to 8TB or SATA SSD from 256GB to 2TB
- 1x M.2 22x80 Socket supporting SATA SSD from 256GB to 2TB

Certifications and Regulation

Safety Regulations and Standards

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

Environmental Operating Temp

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

EMC/RF Regulations & Standards

- FCC CFR Title 47, Chapter I, Part 15, Subparts. B, C, E
- EN 55052
- EN 55024
- CISPR 32
- ICES-003
- ETSI EN 300 328
- ETSI EN.301 489-1
- ETSI EN.301 893
- EN 62511

Environmental Regulations

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

Certified Operating Systems

- Windows 10 Pro, Home, IoT, Linux (Ubuntu)