Topaz 3

13th Gen Simply NUC Consumer NUC – NUC13TZi5

Topaz 3 i5

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Evolve your Mini PC Experience

The Topaz 3 NUC harnesses Intel's latest 13th Gen Raptor Lake 1340P Processor with Iris Xe graphics to provide the most crisp computing experience to date. With up to 64GB of DDR4-3200 memory and up to 10TB of M.2 storage, Topaz 3 has the capabilities you need to evolve your mini PC experience or corporate infrastructure to the latest and greatest technology available. Intel's 13th Gen 1340P processor ushers a host of new and improved features including increased core counts and an upgraded Intel® Thread Director to increase both your efficiency and your productivity.

Crystal Clear, Clean & Secure Computing

From a home theater to a digital signage kiosk, the Intel® Iris Xe Graphics in Topaz 3 have you covered. With support for up to four 4K displays, you can enjoy crisp visuals from every angle.

Take advantage of super-fast networking with dual 2.5Gb LAN ports and onboard TPM 2.0, giving you a robust and secure connection to your home or office network, or ditch the cabling and go wireless with Wi-Fi 6E and Bluetooth 5.3 for that sleek setup look, without sacrificing performance and reliability.

The Number One Choice for your Next Mini PC

Topaz 3 offers a plethora of customization options while maintaining that 4x4 footprint people love. From Gen4 PCIe drives, to I/O options like additional USB ports and serial adapters via the replaceable lid, you have the versatility you need to meet your use case. The Topaz 3 NUC with a 13th Gen Intel® Core 1340P Processor is the number one choice for your mini PC needs for both the home and the office, so get yours, today.

Features

- 13th Gen Intel® Core™ i5-1340P
- Intel® Iris® Xe Graphics
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-key PCIe x4 socket supporting up to Gen4 NVMe SSDs
- 1x M.2 22x80 socket supporting SATA SSDs
- 2x Intel® 2.5Gb LAN
- Intel® Wi-Fi 6E + Bluetooth 5.3
- 1x HDMI 2.0b
- 1x DisplayPort 1.4
- 4x USB 3.2 Gen 2 Type-A Ports
- 2x USB 3.2 Gen 2 Type-C Ports (Alt-DP1.4)
- 3.5mm stereo headset jack
- TPM 2.0
- Kensington Lock support
- VESA Mount included
- 19v 90W power supply included
- 3-yr Warranty and Support Service

Customization

- Primary storage socket supporting up to NVMe Gen4 available up to 4TB, up to 8TB Gen3
- Secondary storage socket supporting SATA SSD up to 2TB
- Memory up to 64GB
- OS options including Windows 10/11 & Ubuntu

Technical Specification

Processor	Intel® 13th Gen Core™ i5-1340P | 4P+8E/16T | P-Cores: up to 4.6GHz - E-Cores: up to 3.4GHz | 12MB Intel® Smart Cache | 28W Base Power
Graphics	Intel® Iris Xe Graphics up to 1.45GHz | Up to 4x displays | 1x HDMI 2.0b | 2x Alt-DP 1.4a++ via USB-C | 1x DisplayPort 1.4a++
Memory	Dual DDR4 SODIMMs 1.2V | 64GB Max | Up to 3200MHz
Storage	1x M.2 22x80 M-Key x4 PCIe supporting NVMe Gen4 (512GB to 4TB), Gen3 (128GB to 8TB) | 1x M.2 22x80 M-Key supporting SATA SSD (128GB to 2TB)
Peripherals	Intel® Wi-Fi 6E AX210 | Bluetooth 5.3 | 2x 2.5Gb LAN (i225-LM) | 2x USB 3.2 Gen2 Type-C | 4x USB 3.2 Gen2 Type-A
Chassis	115 x 115 x 49mm | Kensington Lock | VESA Mount Kit Support
Expansion	2x USB 2.0 header | 1x COM Header | Replaceable Lid
Audio	3.5mm front stereo headset jack
Power	12-19V$_{DC}$ Input Range | 19V$_{DC}$ 90W Power supply included

Certifications and Regulations

Safety Regulations and Standards	IEC 62368-1 | EN 62368-1 | CAN/CSA 62368-1
EMC/RF Regulations & 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 64-bit (Pro, Home and IoT) | Windows 11 64-bit (Pro, Home and IoT) | Linux (Ubuntu)
Environmental Operating Temp	0°C to +60°C