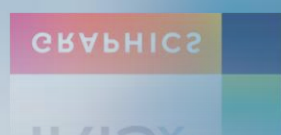


# Topaz 3

Simply NUC Business Motherboard – NUC13TZBi5



Simply NUC®

# Topaz 3 i5 Board

Simply NUC Business Motherboard – NUC13TZBi5



## Evolve your Computing Experience

The Topaz 3 motherboard 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 8TB of M.2 storage, Topaz 3 has the capabilities you need to evolve your computing 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

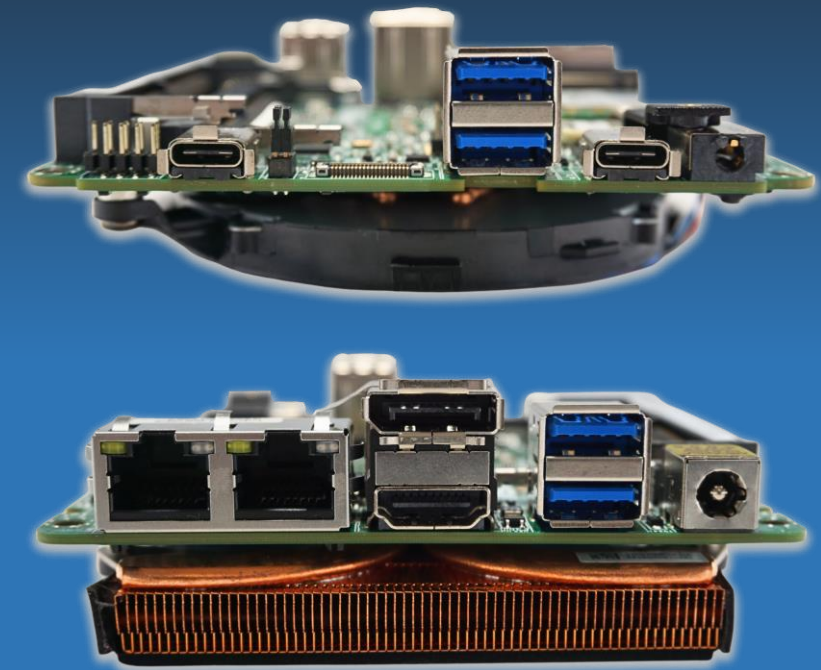
crisp visuals from every angle. Take advantage of super-fast networking with dual 2.5Gb LAN ports and onboard TPM 2.0, giving you a robust and secure connection to your home or office network, or ditch the cabling and go wireless with optional Wi-Fi 6E and Bluetooth 5.3 for that sleek setup look, without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

## The Number One Choice for your Next Motherboard

Topaz 3 offers a plethora of customization options while maintaining that 4x4 footprint people love, allowing easy embedding into any deployment. The Topaz 3 motherboard with a 13th Gen Intel® Core 1340P Processor is the number one choice for your motherboard 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
- 2x Intel® 2.5Gb LAN
- Optional 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
- Optional 19v 90W power supply
- 3-yr Warranty and Support Service



## Customization

- Primary storage socket supporting up to NVMe Gen4 available up to 8TB
- Memory up to 64GB
- OS options including Windows 10/11 & Ubuntu



THINK BIG, go mini

## 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 (128GB to 8TB)

**Peripherals** Optional 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

**Board** 102 x 104 x 38mm

**Expansion** 2x USB 2.0 header | 1x COM Header

**Audio** 3.5mm front stereo headset jack

**Power** Optional 19V<sub>DC</sub> 90W Power supply | 12-19V<sub>DC</sub> Input Range

## 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