

Topaz 3

Simply NUC Business Motherboard – NUC13TZBi3



Simply NUC®

Topaz 3 i3 Board

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Evolve your Computing Experience

The Topaz 3 NUC harnesses Intel's latest 13th Gen Raptor Lake 1315U Processor with UHD 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 mini PC experience or corporate infrastructure to the latest and greatest technology available. Intel's 13th Gen 1315U 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® UHD Graphics in Topaz 3 have you covered. With support for up to four 4K displays, you can enjoy crisp visuals from every angle.

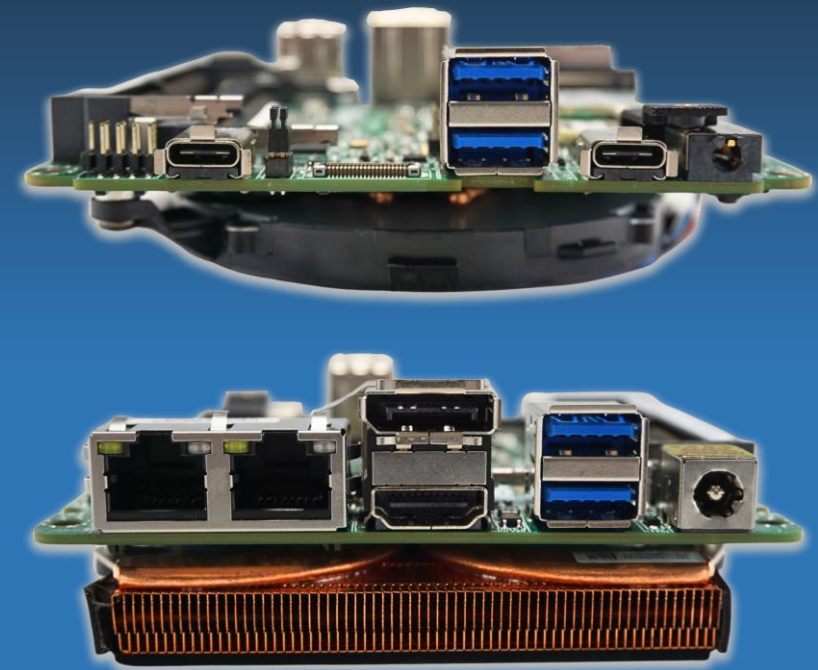
Take advantage of super-fast networking with dual 2.5Gb LAN ports and onboard TPM 2.0, giving you a robust and secure connection to your home or office network, or ditch the cabling and go wireless with optional Wi-Fi 6E and Bluetooth 5.3 for that sleek setup look, without sacrificing performance and 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 1315U 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™ i3-1315U
- Intel® UHD 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™ i3-1315U | 2P+4E/8T | P-Cores: up to 4.5GHz - E-Cores: up to 3.3GHz | 10MB Intel® Smart Cache | 15W Base Power

Graphics Intel® UHD Graphics up to 1.25GHz | 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_{DC} 90W Power supply | 12-19V_{DC} 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