NUC10i3FNHN- Dual-Core i3 Tall Chassis

Perfect for use at home

Stream 4K video, edit media, work from home, or finish your homework, all with a minicomputer you can tuck away in a drawer. With Frost Canyon, you will stream premium sized movies and experience high fidelity audio with immersive 4K Ultra HD video powered by Intel® UHD Graphics. Frost Canyon provides responsive performance to power a home office or school applications and can transfer files with high-speed connection options. This Frost Canyon features a 10th Gen Intel® Core™ i3 processor making it an affordable media player for the whole family.

10th Gen Processing Power

Featuring the latest 10th Gen Intel® Core™ processors and support for up to 64GB of high speed DDR4 RAM, you have more CPU power than ever in a 4x4 form factor. Combine this with Intel® UHD Graphics,

Thunderbolt™ 3, DisplayPort, and HDMI capability for the optimal visual experience on up to three 4K displays.

Watch, work, & game in 4K

Intel® UHD Graphics provide a brilliant 4K experience for the home or the office. You can watch theater-quality videos or grab a game controller and answer the call of duty. You also have the performance you need to create content without having to wait as your video and images render. Frost Canyon adds quick charging capability to get you going faster than ever.

Cut cords, not the performance

Access your digital life out of the box with the latest Intel® Wi-Fi 6 and Bluetooth 5 technology. Connect your Intel® NUC to a Wi-Fi device for rich visuals and audio without the clutter of cables.

Highlighted Features

- 10th Gen Intel® Core™ i3-10110U
- Intel® UHD Graphics
- 2x DDR4-2666 SO-DIMM Sockets
- M.2 Slot Supports PCI or SATA SSDs
- Intel® Optane™ Memory Ready
- 2.5" SATA Drive Bay
- SDXC Card Slot (UHS-II)
- HDMI 2.0a Supporting 4k
- Thunderbolt 3 Supporting Alt-DP
- Intel® Gigabit LAN
- Intel® Wi-Fi 6
- Intel® Bluetooth 5
- 5x USB 3.1 Gen 2 Ports Enabling 10Gb/s (one charging)
- Digital Audio 7.1 Surround Sound
- Internal Dual-Band Antennas
- Consumer IR Receiver
- Kensington Lock Supported
- VESA Mount Kit
- $19V_{DC}$ 90W Power Adapter

Customization

- Supports DDR4 RAM 4GB - 64GB
- Supports M.2 SSD 128GB - 8TB
- Supports 2.5" SATA 128GB - 8TB
- 2x USB Headers

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 Specification

Processor
- Intel® Core™ i3-10110U processor (2.1 GHz with 4.1GHz Turbo, Dual Core, Hyper-Thread, 4 MB Smart Cache, 25W TDP)

Storage Capabilities
- One M.2 Socket Supporting 22x42 or 22x80 SSDS, SATA, or PCIe, 128GB - 8TB
- 2.5" Drive Bay for SATA Drive, 128GB - 8TB

Audio
- Up to 7.1 Surround Sound via HDMI

Hardware Management Features
- Voltage and Temperature Sensing
- ACPI-Compliant Power Management Control
- Fan Sensor Monitors and Controls Fan

Graphics
- Intel® UHD Graphics
- 1x HDMI 2.0a Port
- USB Type-C Port with DisplayPort 1.2
- Enables Three 4K Displays @ 60Hz

Peripheral Connectivity
- Intel® Gigabit LAN i219-V
- 3x USB 3.1 Gen2 Type-A Ports (2x rear panel, 1x front panel)
- 2x USB 3.1 Gen2 Type-C Ports (1x rear panel, 1x front panel with charging)
- 2x Internal USB 2.0 Headers
- Intel® Wi-Fi 6 AX201 (802.11ax), 2x2, up to 2.4Gbps
- Bluetooth 5
- Thunderbolt 3 on USB Type-C Port
- Consumer Infrared Receiver

Baseboard Power Requirements
- $19V_{DC}$ Input Voltage
- $19V_{DC}$, 90W AC-DC Power Adapter with Detachable Power Cord Supplied

Mechanical Chassis Information
- 4.6" x 4.4" x 2.0" (117mm x 112mm x 51mm)

System Memory
- 2x 1.2V DDR4-2666 SO-DIMM Sockets Enabling up to 64GB
- Intel® Optane™ Memory Ready

System Bios
- 64Mb Flash EEPROM with Intel® Platform innovation Framework for EFI Plug and Play
- Advanced Configuration and Power Interface V3.0b, SMBIOS2.5
- Intel® Visual BIOS
- Intel® Express BIOS Update Support

Front Panel Header
- Reset, HHD LED, Power LEDs, Power On/Off

Expansion Capabilities
- 2x USB 2.0 Ports on Two 1x4 Headers
- Functional or Decorative Lid Support
- HDMI CEC Header

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
- -40°C to +60°C Storage Temperature

EMC/RF Regulations and Standards
- FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E
- EN 55052
- EN 55024
- CISPR 52
- ICES-005
- ETSI EN 500 52
- ETSI EN 501 489-1
- ETSI EN 501 489-17
- ETSI EN 501 895
- EN 62511
- AS/NZS 2772.2
- AS/NZS 4268
- VCCI V-2, V-4, V-5
- KN-52

EMC/RF Regulations and Standards (continued)
- KN-24
- CNS 15458

Environmental Regulations
- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- China RoHS

Certified Operating Systems
- Windows 10 64-bit (Pro & Home)
- Windows 10 IoT Enterprise—(64-bit only) CBB and LTSB
- Linux