# NUC8i3PNK - Dual-Core i3 Slim Chassis

### Easy Customization

The NUC8i3PNK (code-named Provo Canyon), built with 8th generation Intel® Core™ i3 processors, delivers the performance and innovation for small space and embedded solutions. Whether you're creating a digital kiosk, deploying intelligent vending, or refreshing enterprise PCs, the Provo Canyon can get the job done easily. With Intel® Wireless-AC 9560 and the option to run Windows® 10 or Linux or another OS, the Provo Canyon delivers the flexibility to build the exact solution your solution needs. This SKU is offered in the slimmest possible profile to allow for installations with tight space constraints. And board SKU options allow flexibility for your embedded usages.

### More Performance. More Connections

The Provo Canyon has some new features including, for the first time on a Business SKU, a high-speed Thunderbolt™ 3 port to complement the two full-sized HDMI 2.0a ports for powering up to three brilliant 4K displays at 60 Hz. Suddenly your clients' digital kiosks and intelligent vending machines have images that really pop and draw people in. This unit also features display emulation which enables various options including headless operation, a second virtual display, and persistent displays. And Provo Canyon is tested for 24/7 operation ensuring solutions that are built to last.

## Highlighted features

- 8th Gen Intel® Core™ i3
- Intel® UHD Graphics 620
- 4GB DDR4 DRAM (64GB Max)
- Intel® Optane™ Memory and Memory H10 ready
- Dual HDMI 2.0 Supporting 4K @ 60Hz
- Intel® Gigabit LAN with AMT Support
- Intel® Wireless-AC 9560
- Intel® Bluetooth 5.0
- Three USB 3.1 Gen2 Ports
- One USB 2.0 Port
- Digital Audio 7.1 Surround Sound
- Internal Dual-Band Antennas
- Front Panel Power Button
- 19V DC Jack (12-24V operation)
- Kensington Lock Support
- VESA Mount Kit

## Customization

- Two DDR4 SO-DIMM Sockets
- M.2 Slot Supports PCIe or SATA SSDs
- Two USB 2.0 and One USB 3.0 Internal Headers for Functional Lid Support
- Consumer Electronics Control (CEC) Internal Header


### Simply NUC Services

You can order this NUC in your various configurations, as well as your corporate OS Image loaded and ready to deploy.

Simply NUC

intel Technology Provider Platinum 2019

## Technical Specifications

### Processor
- Intel® Core™ i3-8145U processor (2.1GHz with 3.9GHz Turbo, Dual Core, Hyper-thread, 4MB Smart Cache, 15W TDP)

### Graphics
- Intel® HD Graphics 620
- Two HDMI 2.0a ports with HDCP 2.2
- Built-in CEC for both ports
- Support for a 3rd monitor via Thunderbolt 3

### System Memory
- Two DDR4 SO-DIMM sockets, 64GB Max, 1.2V

### Storage Capabilities
- One M.2 socket supporting 22x80 M.2 SSDs, SATA or PCIe, Intel® Optane™ Memory or Memory H10

### Peripheral Connectivity
- Intel® Gigabit LAN w/ AMT support
- Three Super-Speed USB 3.1 Gen2 ports (one on back panel and two on front panel)
- One back USB 2.0 port
- One back USB 3.1 Gen 2 ports on Type-C Connector
- Intel® Dual Band Wireless-AC
- Intel® Bluetooth 5.0
- Wireless-AC 9560 is removable or disableable for security

### System Bios
- 64 Mb 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

### Audio
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI

### Front Panel Header
- Reset, HDD LED, Power LEDs, power on/off

### Hardware Management Features
- AMT supported Ethernet Controller
- Voltage and temperature sensing
- ACPI-compliant power management control
- Processor fan speed control
- Fan sensor inputs used to monitor fan activity

### Baseboard Power Requirements
- 19V, 90W AC-DC power adapter with detachable power cord.

### Mechanical Chassis Size
- 4.61" x 4.41" x 1.42"
- 117 mm x 112 mm x 36 mm
- 0.65kg (1.4lbs) Configured

### Expansion Capabilities
- One USB 3.0 port via a 1x10 header for functional Lid support
- Two USB 2.0 ports on two 1x4 internal headers for functional Lid support
- One Consumer Electronics Control header

## Certification and Regulations

### Product Safety Regulations and Standards
- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

### Environment Operating Temp
- 0° C to +45° C
- Non-condensing Humidity

### Storage Temperature
- -20° C to +70° C

### EMC/RF Regulations and Standards (Class B)
- CISPR 52
- FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E
- ICES-005
- EN 55052
- EN 55024
- ETSI EN 500 528
- 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-5, V-4
- KN-52
- 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
- Windows Server 2016
- Various Linux including: Ubuntu, Mint, openSUSE, etc (Contact Simply NUC for specifics)