

UPE | Compare Intel® Products

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,Intel® NUC 10 Performance kit - NUC10i7FNHN

Essentials

Product Collection,Intel® NUC Kit with 10th Generation Intel® Core™ Processors

Code Name,Products formerly Frost Canyon

Marketing Status,Launched

Launch Date,Q2'21

Supported Operating Systems,Windows 11 | 64-bit* | Windows 10 | 64-bit*

Board Number,NUC10i7FNBN

Board Form Factor,UCFF (4" x 4")

Socket,Soldered-down BGA

Internal Drive Form Factor,M.2 and 2.5" Drive

of Internal Drives Supported,2

TDP,25 W

DC Input Voltage Supported,19 VDC

Recommended Customer Price,\$597.65 - \$600.11

Processor Included,Intel® Core™ i7-10710U Processor (12M Cache | up to 4.70 GHz)

Total Cores,6

Total Threads,12

Processor Base Frequency,1.10 GHz

Lithography,14 nm

Max Turbo Frequency,4.70 GHz

Warranty Period,3 yrs

Supplemental Information

Embedded Options Available,No

Datasheet,View now

Description,Does not include 3.5mm audio capabilities | Digital Microphones.

Memory & Storage

Max Memory Size (dependent on memory type),64 GB

Memory Types,DDR4-2666 1.2V SO-DIMM

Max # of Memory Channels,2

Max Memory Bandwidth,42.6 GB/s

Max # of DIMMs,2

ECC Memory Supported ‡,No

Processor Graphics

Integrated Graphics ‡,Yes

Graphics Outp USB-C (DP1.2)

of Displays Supported ‡,3

Expansion Options

PCI Express Revision,Gen3

PCI Express Configurations ‡,M.2 slot with PCIe X4 lanes

Removable Memory Card Slot,SDXC with UHS-II support

M.2 Card Slot (storage),22x42/80

I/O Specifications

of USB Ports,7

USB Configura 2x USB 2.0 via internal headers

USB Revision,2.0 | 3.1 Gen2

USB 2.0 Configuration (External + Internal),0 + 2

USB 3.0 Configuration (External + Internal),2B 2F + 0

Total # of SATA Ports,2

Max # of SATA 6.0 Gb/s Ports,2

RAID Configuration,2.5" HDD/SSD + M.2 SATA SSD (RAID-0 RAID-1)

Audio (back channel + front channel),7.1 digital (HDMI | Type-C)

Integrated LAN,Intel® Ethernet Connection i219-V

Integrated Wireless‡,Intel® Wi-Fi 6 AX201

Integrated Bluetooth,Yes

Consumer Infrared Rx Sensor,Yes

Additional Headers,CEC | 2x USB2.0 | FRONT_PANEL | RGB

of Thunderbolt™ Ports,1x Thunderbolt™ 3

Package Specifications

Chassis Dimensions,117 x 112 x 51mm

Advanced Technologies

Intel® Optane™ Memory Supported ‡,Yes

Intel® Virtualization Technology for Directed I/O (VT-d) ‡,Yes

TPM,No

Intel® HD Audio Technology,No

Intel® Rapid Storage Technology,Yes

Intel® Virtualization Technology (VT-x) ‡,Yes

Intel® Platform Trust Technology (Intel® PTT),Yes

Security & Reliability

Intel® AES New Instructions,Yes