

Intel NUC 7 – NUC7i7DNHE



Product Collection	Intel® NUC Kit with 8th Generation Intel® Core™ Processors
Code Name	Products formerly Dawson Canyon
Status	Launched
Launch Date	Q1'18
Supported Operating Systems	Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Ubuntu 16.04*
Board Number	NUC7i7DNB
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	15 W
DC Input Voltage Supported	12-24 VDC
Processor Included	Intel® Core™ i7-8650U Processor (8M Cache, up to 4.20 GHz)

Intel vPro® Platform Eligibility

Yes

of Cores

4

of Threads

8

Processor Base Frequency

1.90 GHz

Max Turbo Frequency

4.20 GHz

Warranty Period

3 yrs

Recommended Customer Price

558.38

Embedded Options Available

Yes

Description

8th Gen Commercial Intel® NUC

Max Memory Size (dependent on memory type)

32 GB

Memory Types

DDR4-2400 1.2V SO-DIMM

Max # of Memory Channels

2

Max # of DIMMs

2

ECC Memory Supported

No

Integrated Graphics

Yes

Graphics Output

Dual HDMI 2.0a, 4-lane eDP 1.4

of Displays Supported

2

PCI Express Revision

Gen 3

PCI Express Configurations

PCIe x4: M.2 22x80 (key M) slot PCIe x1: M.2 22x30 (key E) slot

M.2 Card Slot (wireless)

22x30 (key E) slot

M.2 Card Slot (storage)	22x80 (key M) slot
# of USB Ports	4
USB Configuration	2x front and 2x rear USB 3.0; 1x USB 3.0 and 2x USB 2.0 via internal headers
USB Revision	2.0, 3.0
USB 2.0 Configuration (External + Internal)	0 + 2
USB 3.0 Configuration (External + Internal)	2B 2F +1
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)
Serial Port via Internal Header	Yes
Integrated LAN	Intel® i219-LM 10/100/1000 Mbps Ethernet
Integrated Wireless	Intel® Wireless-AC 8265 vPro (IEEE 802.11ac 2x2)
Integrated Bluetooth	Yes
Additional Headers	Front Panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); HDMI_CEC; Internal 2x2 power connector
Chassis Dimensions	115 x 111 x 52 mm
Intel® Optane™ Memory Supported	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	Yes
Intel vPro® Platform Eligibility	Yes

Intel® ME Firmware Version	v11.8
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TPM	Yes
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TPM Version	2
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Intel® Rapid Storage Technology	Yes
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Intel® Virtualization Technology (VT-x)	Yes
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Intel® Platform Trust Technology (Intel® PTT)	No
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Intel® AES New Instructions	Yes
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Intel® Trusted Execution Technology	Yes
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