



Intel® NUC 8 Pro Kit NUC8v7PNH

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Essentials

Export specifications

Product Collection	Intel® NUC Kit with 8th Generation Intel® Core™ Processors
Code Name	Products formerly Provo Canyon
Status	Launched
Launch Date	Q1'20
Supported Operating Systems	Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Windows Server 2019*, Ubuntu 18.04 LTS*
Board Number	NUC8v7PNB
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
DC Input Voltage Supported	12-24 VDC
Processor Included	Intel® Core™ i7-8665U Processor (8M Cache, up to 4.80 GHz)
Intel vPro® Platform Eligibility ‡	Yes
# of Cores	4
# of Threads	8
Processor Base Frequency	1.90 GHz
Max Turbo Frequency	4.80 GHz
Warranty Period	3 yrs

Supplemental Information

Description	Intel® NUC 8 Pro Kit
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Memory & Storage

Max Memory Size (dependent on memory type)	64 GB
Memory Types	DDR4-2400 1.2V SO-DIMM
Max # of Memory Channels	2
Max # of DIMMs	2
ECC Memory Supported †	No

Processor Graphics

Processor Graphics †	Intel® UHD Graphics for 8th Generation Intel® Processors
Integrated Graphics †	Yes
Graphics Output	Dual HDMI 2.0a, DP 1.2 via Type C, 4-lane eDP 1.4
# of Displays Supported †	3

Expansion Options

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

I/O Specifications

# of USB Ports	4
USB Configuration	USB 3.1 (type C): 1 rear USB 3.1 (type A): 2 front, 1 rear USB 3.0: 1 header USB 2.0: 1 rear, 2 headers
Total # of SATA Ports	1
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 9560 + Bluetooth 5.0
Integrated Bluetooth	Yes
Additional Headers	Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); Internal 2x2 power connector
# of Thunderbolt™ Ports	1x Thunderbolt™ 3

Package Specifications

Chassis Dimensions	117 x 112 x 53 mm
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Advanced Technologies

Intel® Optane™ Memory Supported †	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) †	Yes
Intel vPro® Platform Eligibility †	Yes
TPM	Yes
TPM Version	2.0
Intel® Virtualization Technology (VT-x) †	Yes

Security & Reliability

Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology †	Yes

Ordering and spec information

Intel® NUC 8 Pro Kit NUC8v7PNH, CN cord, 5 pack

MM#	999L10
Ordering Code	BKNUC8V7PNH6
ECCN	HOLD
CCATS	NA

Intel® NUC 8 Pro Kit NUC8v7PNH, no cord, 5 pack

MM#	999LOT
Ordering Code	BKNUC8V7PNH
ECCN	5A992C
CCATS	G157815L2

Trade compliance information

ECCN	Varies By Product
CCATS	Varies By Product
US HTS	8471500150

PCN/MDDS Information

999L10	MDDS
999LOT	MDDS

More support options for Intel® NUC 8 Pro Kit NUC8v7PNH

Product Support

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Support Community

Warranty and Replacement



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

Announced SKUs are not yet available. Please refer to the Launch Date for market availability.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

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