



# Intel® NUC 8 Pro Kit NUC8v5PNH

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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 <sup>?</sup>	Q1'20
Supported Operating Systems	Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Windows Server 2019*, Ubuntu 18.04 LTS*
Board Number	NUC8v5PNB
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™ i5-8365U Processor (6M Cache, up to 4.10 GHz)
Intel vPro® Platform Eligibility <sup>‡</sup> <sup>?</sup>	Yes
# of Cores <sup>?</sup>	4
# of Threads <sup>?</sup>	8
Processor Base Frequency <sup>?</sup>	1.60 GHz
Max Turbo Frequency <sup>?</sup>	4.10 GHz
Warranty Period <sup>?</sup>	3 yrs

## Supplemental Information

Description	Intel® NUC 8 Pro Kit
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## Memory & Storage

Max Memory Size (dependent on memory type) <sup>?</sup>	64 GB
Memory Types <sup>?</sup>	DDR4-2400 1.2V SO-DIMM
Max # of Memory Channels <sup>?</sup>	2
Max # of DIMMs <sup>?</sup>	2
ECC Memory Supported <sup>‡</sup> <sup>?</sup>	No

## Processor Graphics

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

## Expansion Options

PCI Express Revision <sup>?</sup>	Gen 3
PCI Express Configurations <sup>‡</sup> <sup>?</sup>	PCIe x4: M.2 22x80 (key M) slot PCIe x1: M.2 22x30 (key E) slot
M.2 Card Slot (wireless) <sup>?</sup>	22x30 (key E) slot
M.2 Card Slot (storage) <sup>?</sup>	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 <sup>?</sup>	1
RAID Configuration <sup>?</sup>	2.5" HDD/SSD + M.2 SATA SSD (RAID-0 RAID-1)
Serial Port via Internal Header	Yes
Integrated LAN <sup>?</sup>	Intel® i219-LM 10/100/1000 Mbps Ethernet
Integrated Wireless <sup>‡</sup>	Intel® Wireless-AC 9560 + Bluetooth 5.0
Integrated Bluetooth	Yes
Additional Headers <sup>?</sup>	Front_panel (PWR, RST, 5V, 5Vsby, 3.3Vsby); Internal 2x2 power connector
# of Thunderbolt™ Ports <sup>?</sup>	1x Thunderbolt™ 3

## Package Specifications

Chassis Dimensions	117 x 112 x 53 mm
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## Advanced Technologies

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

## Security & Reliability

Intel® AES New Instructions <sup>?</sup>	Yes
Intel® Trusted Execution Technology <sup>‡</sup> <sup>?</sup>	Yes

## Ordering and spec information

### Intel® NUC 8 Pro Kit NUC8v5PNH, no cord, 5 pack

MM#	999KXV
Ordering Code	BKNUC8V5PNH
CCATS	G157815L2

### Intel® NUC 8 Pro Kit NUC8v5PNH, CN cord, 5 pack

MM#	999KZ6
Ordering Code	BKNUC8V5PNH6
CCATS	Z1651893

## Trade compliance information

ECCN	5A992C
CCATS	Varies By Product
US HTS	8471500150

## PCN/MDDS Information

999KXV	MDDS
999KZ6	MDDS

## More support options for Intel® NUC 8 Pro Kit NUC8v5PNH

Product Support

Downloads and Software

Support Community

Warranty and Replacement

## Need more help?

Contact support

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

<sup>‡</sup> 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.

<sup>‡</sup> Announced<sup>‡</sup> 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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