



# Intel® NUC 8 Pro Kit NUC8v7PNH

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From \$695

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






## Compatible Products

## Drivers and Software

## Technical Documentation

## 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 |
|-------------|----------------------|

## 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<br>USB 3.1 (type A): 2 front, 1 rear<br>USB 3.0: 1 header<br>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 |
|--------------------|-------------------|

## 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#           | 999L0T      |
| 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 |
| 999L0T | MDDS |

## More support options for Intel® NUC 8 Pro Kit NUC8v7PNH

Product Support

Downloads and Software

Support Community

Warranty and Replacement



## Need more help?

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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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