



# Intel® NUC 8 Pro Board NUC8v7PNB

Add to Compare

## Specifications

- Essentials
- Supplemental Information
- Memory & Storage
- Processor Graphics
- Expansion Options
- I/O Specifications
- Advanced Technologies
- Security & Reliability

## Ordering and Compliance

- Ordering and spec information
- Trade compliance information
- PCN/MDDS Information

## Drivers and Software

## Essentials

[Export specifications](#)

Product Collection	Intel® NUC Board with 8th Generation Intel® Core™ Processors
Code Name	Products formerly Provo Canyon
Status	Launched
Launch Date <a href="#">?</a>	Q1'20
Supported Operating Systems	Windows 11, 64-bit*, Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Red Hat Linux*, 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
Lithography <a href="#">?</a>	14 nm
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 <a href="#">?</a>	Yes
Total Cores <a href="#">?</a>	4
Total Threads <a href="#">?</a>	8
Processor Base Frequency <a href="#">?</a>	1.90 GHz
Max Turbo Frequency <a href="#">?</a>	4.80 GHz
Warranty Period <a href="#">?</a>	3 yrs

## Supplemental Information

Description	Intel® NUC 8 Pro Board
-------------	------------------------

## Memory & Storage

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

## Processor Graphics

Integrated Graphics <a href="#">?</a>	Yes
Graphics Output <a href="#">?</a>	Dual HDMI 2.0a, DP 1.2 via Type C, 4-lane eDP 1.4
# of Displays Supported <a href="#">?</a>	3

## Expansion Options

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

## Advanced Technologies

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

## Security & Reliability

Intel® AES New Instructions <a href="#">?</a>	Yes
Intel® Trusted Execution Technology <a href="#">?</a>	Yes

## Ordering and spec information

### Intel® NUC 8 Pro Board NUC8v7PNB, 5 pack

MM#	999L05
Ordering Code	BKNUC8v7PNB

## Trade compliance information

ECCN	5A992C
CCATS	G157815L2
US HTS	8471500150

## PCN/MDDS Information

999L05	<a href="#">PCN   MDDS</a>
--------	----------------------------

## More support options for Intel® NUC 8 Pro Board NUC8v7PNB

Product Support

Downloads and Software

Support Community

Warranty and Replacement



Need more help?

[Contact support](#)

Give Feedback

All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability, functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

Intel classifications are for informational purposes only and consist of Export Control Classification Numbers (ECCN) and Harmonized Tariff Schedule (HTS) numbers. Any use made of Intel classifications are without recourse to Intel and shall not be construed as a representation or warranty regarding the proper ECCN or HTS. Your company as an importer and/or exporter is responsible for determining the correct classification of your transaction.

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

‡ This feature may not be available on all computing systems. Please check with your 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.

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.

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

