



Intel® NUC 8 Pro Kit NUC8i3PNK

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Essentials

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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 11, 64-bit*, Windows 10, 64-bit*, Windows 10 IoT Enterprise*, Red Hat Linux*, Ubuntu 18.04 LTS*
Board Number	NUC8i3PNB
Board Form Factor	UCFF (4" x 4")
Socket	Soldered-down BGA
Internal Drive Form Factor	M.2 SSD
# of Internal Drives Supported	1
Lithography ?	14 nm
DC Input Voltage Supported	12-24 VDC
Processor Included	Intel® Core™ i3-8145U Processor (4M Cache, up to 3.90 GHz)
Intel vPro® Platform Eligibility ?	No
Total Cores ?	2
Total Threads ?	4
Processor Base Frequency ?	2.10 GHz
Max Turbo Frequency ?	3.90 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

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
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 37 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 ?	No
Intel® Virtualization Technology (VT-x) ?	Yes
Intel® Platform Trust Technology (Intel® PTT) ?	Yes

Security & Reliability

Intel® AES New Instructions ?	Yes
Intel® Trusted Execution Technology ?	No

Ordering and spec information

Intel® NUC 8 Pro Kit NUC8i3PNK, no cord, 5 pack

MM#	999KTJ
Ordering Code	BKNUC8i3PNK

Trade compliance information

ECCN	5A992C
CCATS	G157815L2
US HTS	8471500150

PCN/MDDS Information

999KTJ	PCN MDDS
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More support options for Intel® NUC 8 Pro Kit NUC8i3PNK

Product Support	Downloads and Software	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.

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.

