PRODUCTS SUPPORT SOLUTIONS DEVELOPERS PARTNERS

#USA (ENGLISH)

Search Intel.com

Q



intel

Specifications

Memory & Storage

Processor Graphics

Expansion Options

I/O Specifications

Package Specifications

Advanced Technologies

Ordering and Compliance

Ordering and spec information

Trade compliance information

PCN/MDDS Information

Compatible Products

Drivers and Software

Technical Documentation

Security & Reliability

Supplemental Information

Essentials

Search specifications



Add to Compare

Eccentials	(Europe and a section of
Essentials	Export specification
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	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 ‡ ?	Yes
# of Cores ?	4
# of Threads ?	8
Processor Base Frequency ?	1.60 GHz
Max Turbo Frequency ?	4.10 GHz
Warranty Period ?	3 yrs
Wallandy Ferrod (3 7.3
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	
	Intel® LILLID Co
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
	PCIe x4: M.2 22x80 (key M) slot PCIe x1: M.2 22x30 (key E)
PCI Express Configurations ‡ ?	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 3.1 (type C): 1 rear
USB Configuration	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
Advanced Technologies	
Advanced Technologies	
Intel® Optane™ Memory Supported‡ ?	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	
Intel vPro® Platform Eligibility ‡ ?	Yes
TPM ?	Yes
TPM Version ?	2.0
	Yes
Intel® Virtualization Technology (VT-x) ‡ ?	
Security & Reliability	Vas
Security & Reliability Intel® AES New Instructions ?	Yes
Security & Reliability	Yes
Security & Reliability Intel® AES New Instructions ?	
Security & Reliability Intel® AES New Instructions ?	
Security & Reliability Intel® AES New Instructions ? Intel® Trusted Execution Technology ‡ ? Ordering and spec information	Yes
Security & Reliability Intel® AES New Instructions ? Intel® Trusted Execution Technology ‡ ?	Yes
Security & Reliability Intel® AES New Instructions ? Intel® Trusted Execution Technology ‡ ? Ordering and spec information	Yes
Security & Reliability Intel® AES New Instructions ? Intel® Trusted Execution Technology ‡ ? Ordering and spec information Intel® NUC 8 Pro Kit NUC8v5PNH, no cord, ! MM# Ordering Code	Yes 5 pack
Security & Reliability Intel® AES New Instructions ? Intel® Trusted Execution Technology ‡ ? Ordering and spec information Intel® NUC 8 Pro Kit NUC8v5PNH, no cord, \$ MM#	Yes 5 pack 999KXV
Security & Reliability Intel® AES New Instructions ③ Intel® Trusted Execution Technology ‡ ③ Ordering and spec information Intel® NUC 8 Pro Kit NUC8v5PNH, no cord, 9 MM# Ordering Code CCATS	Yes 5 pack 999KXV BKNUC8V5PNH G157815L2
Security & Reliability Intel® AES New Instructions ② Intel® Trusted Execution Technology ‡ ③ Ordering and spec information Intel® NUC 8 Pro Kit NUC8v5PNH, no cord, \$ MM# Ordering Code CCATS Intel® NUC 8 Pro Kit NUC8v5PNH, CN cord, \$ Intel® NUC8 Pr	Yes 5 pack 999KXV BKNUC8V5PNH G157815L2 5 pack
Security & Reliability Intel® AES New Instructions ② Intel® Trusted Execution Technology ‡ ③ Ordering and spec information Intel® NUC 8 Pro Kit NUC8v5PNH, no cord, SMM# Ordering Code CCATS	Yes 5 pack 999KXV BKNUC8V5PNH G157815L2

Downloads and Software Support Community

More support options for Intel® NUC 8 Pro Kit NUC8v5PNH

PCN/MDDS Information

ECCN

CCATS

US HTS

999KXV

999KZ6







5A992C

Varies By Product

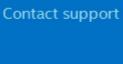
8471500150



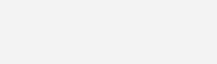
Warranty and Replacement

MDDS

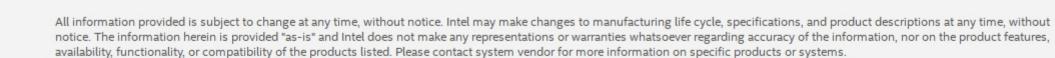
MDDS



Need more help?



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 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.

Company Information Our Commitment Diversity & Inclusion Communities Investor Relations Contact Us Newsroom



intel.



violation of an internationally recognized human right.

Jobs

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Single Board Computers category:

Click to view products by Intel manufacturer:

Other Similar products are found below:

MANO882VPGGA-H81 SSD3200W-S-SLC-INN 20-101-0738 MVME61006E-2173R SHB230DGGA-RC CM2-BT2-E3825-ETT

IMB210VGGA IB915F-3955 MI958F-16C S2600WFT S2600STB BBS2600BPS BLKNUC7I3DNHNC1978015 DEV-17745

BEAGLEBOARD POCKET MICROSOM I2 + WIFI/BT HUMMINGBOARD-I2EX BASE + WIFI/BT HUMMINGBOARD-I4 PRO +

WIFI/BT VAB-600-B MITX-440-DVI-2E ATCA-7365-D-24GB NITX-315-DEVKIT A13-SOM-512 NITX-315 BANANA PI BPI-M1+

A13-SOM-WIFI-4GB AM3359-SOM-EVB-IND UPS-APLC2-A10-0432 DFR0419 UPS-APLP4-A10-0864 UPS-APLP4-A10-0432 UPS-APLP4-A10-08128 MI977F-Q27 BBBLUE IB811F-I30 DFR0470-ENT Nit6Q_i M2M (TELIT) RELAY PROFESSIONAL

GCS22.2.080.2.2.I GCS22.8.100.4.2.I GLS11.2.053.2.2.E A20-OLINUXINO-LIME-E16GS16M A20-OLINUXINO-LIME-S16M A20-OLINUXINO-MICRO-S16M BANANA PI BPI-W2 T2-OLINUXINO-LIME2-S16M-IND T2-OLINUXINO-MICRO-E8GS16M-IND