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Intel® NUC Kit NUC6i7KYK

Specifications

Export specifications

Essentials

Product Collection	Intel® NUC Kit with 6th Generation Intel® Core™ Processors
Code Name	Products formerly Skull Canyon
Status	Discontinued
Launch Date	Q2'16
Supported Operating Systems	Windows 10, 64-bit*, Windows 8.1, 64-bit*, Windows 7, 64-bit*, Windows Server 2012 R2*, Windows Server 2012*
Board Number	NUC6i7KYB
Board Form Factor	UCFF (4" x 5")
Socket	Soldered-down BGA
Internal Drive Form Factor	M.2 SSD
# of Internal Drives Supported	2
Lithography	14 nm
TDP	45 W
DC Input Voltage Supported	19 VDC
Processor Included	Intel® Core™ i7-6770HQ Processor (6M Cache, up to 3.50 GHz)
Intel vPro® Platform Eligibility ‡	No
# of Cores	4
# of Threads	8
Processor Base Frequency	2.60 GHz
Max Turbo Frequency	3.50 GHz
Warranty Period	3 yrs
Recommended Customer Price	$540.00

Supplemental Information

Embedded Options Available	No
Datasheet	View now
Description	Other features: Includes Thunderbolt 3 (40Gbps) USB 3.1 Gen 2 (10Gbps) and DP 1.2 via USB-C; also includes SDXC card slot
Product Brief	View now
Additional Information	View now

Memory & Storage

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR4-2133+ 1.2V, 1.35V SO-DIMM
Max # of Memory Channels	2
Max Memory Bandwidth	34.1 GB/s
Max # of DIMMs	2
ECC Memory Supported ‡	No

Processor Graphics

Processor Graphics ‡	Intel® Iris® Pro Graphics 580
Integrated Graphics ‡	Yes
Graphics Output	Mini-DP 1.2; HDMI 2.0; USB-C (DP1.2)
# of Displays Supported ‡	3

Expansion Options

PCI Express Revision	Gen3
PCI Express Configurations ‡	Dual M.2 slots with PCIe x4 lanes
Removable Memory Card Slot	SDXC with UHS-I support
M.2 Card Slot (storage)	2x 22x42/80

I/O Specifications

# of USB Ports	9
USB Configuration	2x front and 2x rear USB 3.0, 1x USB 3.1 via Thunderbolt 3; 2x USB 2.0, 2x USB 3.0 via headers
USB Revision	2.0, 3.0, 3.1 Gen2
USB 2.0 Configuration (External + Internal)	0 + 2
USB 3.0 Configuration (External + Internal)	2F, 2R, 2i
Total # of SATA Ports	2
Max # of SATA 6.0 Gb/s Ports	2
RAID Configuration	(2x M.2 SATA or 2x M.2 PCIe) SSD (RAID-0 RAID-1)
Audio (back channel + front channel)	7.1 digital; L+R+mic (F); L+R+TOSLINK (R)
Integrated LAN	Intel® Ethernet Connection I219-LM
Integrated Wireless‡	Intel® Wireless-AC 8260 + Bluetooth 4.2
Integrated Bluetooth	Yes
Consumer Infrared Rx Sensor	Yes

S/PDIF Out Connector	TOSLINK
Additional Headers	CEC, 2x USB2.0, 2x USB 3.0, FRONT_PANEL
# of Thunderbolt™ Ports	1x Thunderbolt™ 3

Package Specifications

Chassis Dimensions	211 x 116 x 28 mm

Advanced Technologies

Intel® Virtualization Technology for Directed I/O (VT-d) ‡	Yes
Intel vPro® Platform Eligibility ‡	No
TPM	No
Intel® HD Audio Technology	Yes
Intel® Rapid Storage Technology	Yes
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Platform Trust Technology (Intel® PTT)	Yes

Security & Reliability

Intel® AES New Instructions	Yes

Ordering and Compliance

Compatible Products

Drivers and Software

Technical Documentation

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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.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

"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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