



Intel® NUC Kit NUC7i5BNH

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|--|--|
| Product Collection | Intel® NUC Kit with 7th Generation Intel® Core™ Processors |
| Code Name | Products formerly Baby Canyon |
| Status | Launched |
| Launch Date ? | Q1'17 |
| 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 ? | 14 nm |
| TDP ? | 15 W |
| DC Input Voltage Supported | 12-19 VDC |
| Recommended Customer Price ? | |
| Processor Included | Intel® Core™ i5-7260U Processor (4M Cache, up to 3.40 GHz) |
| Warranty Period | 3 yrs |

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 microSDXC card slot, dual microphones |

Memory & Storage

| | |
|--|------------------------|
| Max Memory Size (dependent on memory type) ? | 32 GB |
| Memory Types ? | DDR4-2133 1.2V SO-DIMM |
| Max # of Memory Channels ? | 2 |
| Max Memory Bandwidth ? | 34.1 GB/s |
| Max # of DIMMs ? | 2 |
| ECC Memory Supported [†] ? | No |

Processor Graphics

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|--|--------------------------|
| Integrated Graphics [†] ? | Yes |
| Graphics Output ? | HDMI 2.0a; USB-C (DP1.2) |

Expansion Options

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|--|------------------------------|
| PCI Express Revision ? | Gen3 |
| PCI Express Configurations † ? | M.2 slot with PCIe x4 lanes |
| Removable Memory Card Slot ? | microSDXC with UHS-I support |
| M.2 Card Slot (storage) ? | 22x42/80 |

I/O Specifications

| | |
|---|---|
| # of USB Ports | 6 |
| USB Configuration | 2x front and 2x rear USB 3.0; 2x USB 2.0 via internal headers |
| USB Revision ? | 2.0, 3.0 |
| USB 2.0 Configuration (External + Internal) | 0 + 2 |
| USB 3.0 Configuration (External + Internal) | 2B 2F + 0 |
| Total # of SATA Ports ? | 2 |
| Max # of SATA 6.0 Gb/s Ports | 2 |
| RAID Configuration ? | 2.5" HDD/SSD + M.2 SATA/PCIe SSD (RAID-0 RAID-1) |
| Audio (back channel + front channel) | 7.1 digital (HDMI mDP); L+R+mic (F) |
| Integrated LAN ? | 10/100/1000 |
| Integrated Wireless† | Intel® Wireless-AC 8265 + Bluetooth 4.2 |
| Integrated Bluetooth | Yes |
| Consumer Infrared Rx Sensor ? | Yes |
| Additional Headers ? | CEC, 2x USB2.0, FRONT_PANEL |
| # of Thunderbolt™ 3 Ports ? | 1 |

Advanced Technologies

| | |
|--|-----|
| Intel® Optane™ Memory Supported † ? | Yes |
| 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 |
|---|-----|

More support options for Intel® NUC Kit NUC7i5BNH



Need more help?

Contact support



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

"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.

‡ 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.

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



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