Product Brief

INTEL® NUC KITS
NUC7i5BNK AND NUC7i5BNH

The Shape that Fits the Future.
Get ready for truly responsive performance. The newest members of the Intel® NUC family are built with a dual-core 7th generation Intel® Core™ i5 processor. The Intel NUC Kits NUC7i5BNH and NUC7i5BNK give you the performance to turn the Intel NUC into a powerhouse of productivity and play, running analytics and working late into the night, or streaming your favorite movies and music to unwind at the end of your day.

The slightly taller Intel NUC7i5BNH is Intel® Optane™ Memory ready which makes you ready for the future. By easily installing and pairing Intel Optane Memory with high capacity HDD storage media, you get amazing performance and responsiveness as well as shorter boot times, faster application launches, and more responsive browsing—exactly what you need for work or play. Intel NUC7i5BNH has room for a 2 TB HDD, so you have the room to store and back up all your important files. The slimmer Intel NUC7i5BNK comes with an M.2 slot for a lightning fast SSD.

**New features let you use Windows® 10 to its full potential**

Both the Intel NUC7i5BNH and NUC7i5BNK have some cool new features including dual-array front microphones so you can take advantage of Cortana’s® capabilities if you install Windows® 10 with no additional hardware needed. There’s also a front power button and a multi-color LED ring so you can personalize the NUC with the look you want, along with 7.1 surround sound via the HDMI® port so that you can be deeply immersed in your music, movies, and games. Or listen with headphones via the front microphone/audio jack. The choice is yours.

With four USB 3.0 ports, including a charging port, you can connect a USB keyboard, mouse, and printer, and still have room to charge your phone or connect external storage.

**Intel® Iris™ Plus Graphics and Thunderbolt™ 3**

Intel® Iris™ Plus Graphics lets you see images in brilliant 4K and adds better clarity, letting you see data visualizations or on screen text in brilliant definition. The Intel NUC7i5BNH and NUC7i5BNK can connect up to three 4K monitors so you can spread your work out across screens. The kits also come with Thunderbolt™ 3 which supports up to 40 Gbps transfer speeds for your intensive data needs and has built-in 10 GbE for networking with another Thunderbolt 3 system.

**Cut the cords, not the performance**

Both systems come with Intel® 802.11ac wireless, Intel’s fastest wireless available today, for connectivity right out-of-the-box. This makes it simple to immediately access files in the cloud, and with built-in Bluetooth® 4.2, you can connect wireless peripherals like headsets and keyboards.

**INTEL® NUC: Go small, get big.**
**Highlighted Features**

1. 7th generation Intel® Core™ i5-7260U processor
2. Intel® Iris™ Plus Graphics 640
3. Two DDR4 SO-DIMM sockets (up to 32 GB, 2133 MHz)
4. 1x SATA3 port for connection to 2.5" HDD or SSD (NUC7i5BNH)
5. M.2 slot with flexible support for a 42 or 80 mm M.2 SSD (NUC7i5BNH)
6. Intel® Optane™ Memory ready (NUC7i5BNH)
7. Intel® Dual Band Wireless-AC 8265 and Bluetooth® 4.2
8. Back panel DC power connector (12–19V)
9. One full-size HDMI® 2.0 display port supporting 8 channel audio (7.1 surround sound)
10. Intel® Gigabit LAN
11. Two USB 3.0 ports on the back panel
12. Thunderbolt™ 3 port with support for USB® 3.1 gen 2, DisplayPort® 1.2 and 40 Gb/s Thunderbolt
13. Kensington lock support
14. Support for user-replaceable third-party lids
15. Micro SD card slot
16. Consumer infrared sensor
17. Two USB 3.0 ports (including one charging port) on the front panel
18. Front panel headphone/microphone jack
19. Front panel power button
20. Dual-array front microphones
21. Multi-color front panel LED ring
INTEL® NUC KITS NUC7i5BNH AND NUC7i5BNK

Technical Specifications

Processor
- Intel® Core™ i5-7260U processor (2.2 GHz to 3.4 GHz Turbo, 1.5 Dual-Core 4 MB cache, 15W TDP)

Graphics
- Intel® Iris™ Plus Graphics 640
- One HDMI™ 2.0 port with 4K at 60 Hz
- Thunderbolt™ 3 port with support for USB* 3.1 Gen 2, DisplayPort* 1.2 and 40 Gb/s Thunderbolt

System Memory
- Two DDR4 SO-DIMM sockets (up to 32 GB, 2133 MHz), 1.2V

Storage Capabilities
NUC7i5BNH
- Micro SDXC slot with UHS-I support on the side
- One M.2 connector supporting 22x42 or 22x80 M.2 SSD
- One SATA3 port for connection to 2.5” HDD or SSD (up to 9.5 mm thickness)

NUC7i5BNK
- Micro SDXC slot with UHS-I support on the side
- One M.2 connector supporting 22x42 or 22x80 M.2 SSD

Peripheral Connectivity
- Intel® Gigabit LAN
- Thunderbolt 3 port with support for USB* 3.1 Gen 2, DisplayPort* 1.2 and 40 Gb/s Thunderbolt

Audio
- Up to 7.1 surround audio via HDMI
- Headphone/microphone jack on the front panel
- Dual-array microphones on the front panel

Front Panel Header
- Reset, HDD LED, Power LEDs, power on/off

Mechanical Chassis Size
NUC7i5BNH
- 4.53” x 4.37” x 2.01”
- 115 mm x 111 mm x 51 mm

NUC7i5BNK
- 4.53” x 4.37” x 1.38”
- 115 mm x 111 mm x 35 mm

Baseboard Power Requirements
- 19V, 65W wall-mount AC-DC power adapter

Environment Operating Temperature
- 0° C to +40° C

Storage Temperature
- -20° C to +60° C

Product Safety Regulations and Standards
- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

EMC/RF Regulations and Standards (Class B)
- CISPR 32
- FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E
- ICES-003

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