

Product Brief



INTEL® NUC KITS NUC6i3SYK AND NUC6i3SYH

USB 3.0
CHARGING PORT

M.2 SSD



7.1 SURROUND
SOUND

2.5" HDD OR SSD

The Shape that Fits the Future.





MINI PC, FULL-SIZED PERFORMANCE

Get ready to be astonished by what small can do. A Mini PC that performs like a desktop system, the Intel® NUC Kits NUC6i3SYH and NUC6i3SYK are equipped with Intel's newest architecture, the 6th generation Intel® Core™ i3-6100U processor. Now all you need is 4-inches of space and you're able to stream beats, basketballs, and B-movies into your living room. You've also got the performance you need to finish that last minute presentation or help your kid manage her homework.

With 7.1 surround sound and a full-sized HDMI* port for brilliant 4K resolution, the NUC6i3SYH and NUC6i3SYK can power home entertainment or handle light gaming. The consumer infrared sensor means you can control your NUC from the comfort of your couch. The NUC6i3SYH has room for a 2.5" drive so you can store all your media and an M.2 SSD so you can transfer your data at lightning speeds. The even thinner NUC6i3SYK has room for an M.2 SSD.

Enjoy brilliant 4K displays with Intel® HD Graphics

The Intel® HD Graphics 520¹ with 4K display capabilities provide a brilliant HD experience for gaming and home entertainment. You can watch theater-quality 4K videos in your living room, see photos the way they were meant to be seen, or grab a game controller and build your empire.

Designed for Windows® 10, so you can get more done

The Intel NUC is designed for Windows® 10 and has the performance you need to stream media, manage spreadsheets, or create presentations. With support for up to 32 GB of RAM, you can get the memory you need to multitask, and with 4 USB 3.0 ports including a USB charging port, you can use a USB keyboard, mouse, and printer, and still have room to charge your phone or tablet.

Cut the cords, not the performance

The NUC6i3SYH and NUC6i3SYK come with Intel® Dual Band Wireless-AC 8260, Intel's fastest wireless available today, so you can connect out of the box and access files, movies, and music in the cloud, along with built-in Bluetooth* 4.1 so you can connect wireless peripherals.

Playing content wirelessly from Intel NUC on your big-screen HDTV has never been easier with Intel® Wireless Display¹ (Intel® WiDi). Watch videos. Display photos. Look at presentations. Connect your Intel NUC to a WiDi receiver or WiDi-enabled TV and experience rich, vibrant visuals and audio without the clutter of cables.

The Intel NUC: who knew that 4 inches square could offer so much?

GO SMALL. GET BIG.

Highlighted Features

- 1 6th generation Intel® Core™ i3-6100U processor
- 2 Intel® HD Graphics 520
- 3 Two DDR4 SO-DIMM sockets (up to 32 GB, 2133 MHz)
- 4 M.2 slot with flexible support for a 42 or 80 mm M.2 SSD, 1x SATA3 port for connection to 2.5" HDD or SSD (NUC6i3SYH)
- 5 Intel® Dual Band Wireless-AC 8260 and Bluetooth® 4.1
- 6 Back panel DC power connector (12V - 19V)
- 7 One HDMI® 1.4b display port supporting 8 channel audio (7.1 surround sound)
- 8 Intel® Gigabit LAN
- 9 2x USB 3.0 ports on the back panel
- 10 One Mini DisplayPort® version 1.2 supporting 8 channel digital audio (7.1 surround sound)
- 11 Kensington lock support
- 12 Support for user-replaceable third-party lids
- 13 SD card slot
- 14 2x USB 3.0 ports (including one charging port)
- 15 Intel® HD Audio¹ via Headphone/Microphone jack
- 16 Consumer infrared sensor



NUC6i3SYH



NUC6i3SYK



INTEL® NUC KITS NUC6i3SYK AND NUC6i3SYH

Technical Specifications

Processor

- Intel® Core™ i3-6100U processor (2.3 GHz, Dual Core, 3 MB Cache, 15W TDP)

Graphics

- Intel® HD Graphics 520
- One HDMI* 1.4b port
- One Mini DisplayPort* 1.2

System Memory

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

Storage Capabilities

NUC6i3SYH

- SDXC slot with UHS-I support on the side
- One M.2 Type M 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)

NUC6i3SYK

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

Peripheral Connectivity

- Intel® Gigabit LAN
- Four Super Hi-Speed USB 3.0 ports (two back panel ports and two front ports including one charging port)
- Two additional Hi-Speed USB 2.0 ports via internal headers
- Intel® Dual Band Wireless-AC 8260 (802.11ac), 1x1, up to 867 Mbps
- Dual Mode Bluetooth* 4.1

System Bios

- 64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V3.0b, SMBIOS2.5
- Intel® Visual BIOS
- Intel® Express BIOS update support

Hardware Management Features

- Processor fan speed control
- Voltage and temperature sensing
- Fan sensor inputs used to monitor fan activity
- ACPI-compliant power management control

Expansion Capabilities

- One NFC header
- Two Internal USB 2.0 ports via two 1x4 headers (for replaceable lid support)
- One AUX_PWR header

Audio

- Up to 7.1 surround audio via HDMI* and Mini DisplayPort*
- Headphone/Microphone jack on the front panel

Front Panel Header

- Reset, HDD LED, Power LEDs, power on/off

Mechanical Chassis Size NUC6i3SYH

- 4.53" x 4.37" x 1.89"
- 115 mm x 111 mm x 48 mm

NUC6i3SYK

- 4.53" x 4.37" x 1.26"
- 115 mm x 111 mm x 32 mm

Baseboard Power Requirements

- 19V, 65W wall-mount AC-DC power adapter
- Multi-country AC adapter

Environment Operating Temperature

- 0° C to +40° C

Storage Temperature

- 20° C to +60°

Safety Regulations and Standards

- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

EMC (Class B)/RF Regulations and Standards

- CISPR 22
- FCC CFR Title 47, Chapter I, Part 15, Subparts A, B
- ICES-003
- EN 55022
- EN 55024
- ETSI EN 300 328
- ETSI EN 300 440-1
- ETSI EN 300 440-2
- ETSI EN 301 489-1
- ETSI EN 301 489-17
- ETSI EN 301 893
- EN 62311
- AS/NZS 2772.2
- AS/NZS 4268
- VCCI V-3, V-4
- KN-22
- KN-24
- CNS 13438

Environmental Regulations

- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- China RoHS MII Order #39

¹ Intel technologies may require enabled hardware, specific software, or services activation. Check with your system manufacturer or retailer.

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Actual Intel® NUC kit may differ from the image shown.

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