intel

NUC5i5RYH

Intel® NUC Kit

7.1 SURROUND SOUND

SUPPORTS
4K DISPLAY

802.11ac WIRELESS
+ BLUETOOTH

INTEL
HD GRAPHICS
6000

intel WiDi

INTEL® RAPID START
TECHNOLOGY

M.2 SSD
SUPPORT

2.5" HDD
SUPPORT

USB 3.0
CHARGING PORT

The Shape that Fits the Future.

intel
inside™
CORE™ i5

**2.5" DRIVE
SUPPORT**

Think you know what small can do?
Think again.

Ultra Compact. Ultra Impact.

A revolution in ultra-compact device design, the Intel® NUC NUC5i5RYH packs more features, including support for lightning fast M.2 SSDs, into 4 inches square. This fully scalable, Mini PC comes with the latest 5th generation Intel® Core™ i5 processor, delivering the performance to drive intelligent computing in small spaces.

Complete with WiFi 802.11ac wireless, Bluetooth, and 7.1 surround sound, the Intel NUC NUC5i5RYH is ideal for home theater PCs, media server PCs, and home hubs. The consumer infrared sensor means you can control your NUC from the comfort of your couch. And the system has room for either a 2.5" HDD so you can store full length movies or an M.2 SSD so you can transfer data at lightning speeds. Use the Mini DisplayPort,* the Mini HDMI* video interface, or Intel® WiDi[1] to connect your Intel NUC to a display.

A replaceable lid gives you plenty of options to create the NUC you want—with amazing style and features. There's also a high-speed USB 3.0 charging port that lets you easily charge your tablet or smartphone quickly. With this kind of power, size, and versatility, you'll rethink what's possible.

Superior processing and graphics

The NUC5i5RYH is equipped with the 5th generation Intel® Core™ i5-5250U processor with Intel® Turbo Boost Technology 2.0[2] which gives you extra GHz on demand to let you maximize performance on processor-intensive tasks like media editing. It also features Intel® HD Graphics 6000 with 4K display capabilities to provide amazing performance and visually stunning graphics for immersive gaming and home theaters.

Advanced technologies

Based on the 5th generation Intel® Core™ processor, you'll get ultra-responsive performance in a highly secure platform; Intel® Rapid Start Technology[3] ensures that there's less waiting and more doing. Intel® Ready Mode Technology[4] means you'll never miss out on e-mail, IMs, real-time news and sports updates, or social media posts. It also lets you stay connected with friends and family by keeping your video conferencing apps running in the background. And for peace of mind you'll get embedded security that helps keep threats out, user identities and credentials safe, and your data protected.

Power, Capabilities, and Performance in Four Inches Square

HIGHLIGHTED FEATURES

1   5th generation Intel® Core™ i5-5250U processor

2   Two DDR3L SO-DIMM sockets
(up to 16 GB, 1333/1600 MHz)

3   M.2 slot with flexible support for a 42, 60,
or 80 mm SATA or PCIe* SSD

4   1x SATA port for connection to 2.5" HDD or SSD

5   Intel® Dual Band Wireless-AC and Bluetooth 4.0

6   Kensington lock support

7   Backpanel DC power connector (12V - 19V)

8   One Mini DisplayPort* version 1.2 supporting
8 channel digital audio (7.1 surround sound)

9   Intel® Gigabit LAN

10   2x USB 3.0 ports on the back panel

11   Mini HDMI* port supporting HDMI 1.4a
and 7.1 surround sound

12   Support for user-replaceable third-party lids

13   2x USB 3.0 ports on the front panel
(including one charging port)

14   Intel® HD Audio[5] via Headphone/Microphone jack

15   Consumer infrared sensor

Intel® NUC NUC5i5RYH
TECHNICAL SPECIFICATIONS

PROCESSOR
- 5th generation Intel® Core™ i5-5250U processor (1.6 GHz up to 2.7 GHz Turbo Dual Core, 3 MB Cache, 15W TDP)
- Supports Intel® Hyper-Threading Technology[6]
- Supports Intel® 64 architecture[7]

GRAPHICS
- Intel® HD Graphics 6000
- One Mini DisplayPort* version 1.2 supporting ultra-high definition 4K displays and multiple monitor functionality
- One Mini HDMI* 1.4a port

SYSTEM MEMORY
- Two DDR3L SO-DIMM sockets (up to 16 GB, 1333/1600 MHz) in dual channel configuration, 1.35V

STORAGE CAPABILITIES
- One M.2 Type M connector supporting 22x42, 22x60, and 22x80 SATA or PCIe[8] SSDs
- One SATA 6Gbps port for connection to 2.5" HDD or SSD (up to 9.5 mm thickness)

PERIPHERAL CONNECTIVITY
- Integrated 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 header
- Intel® Dual Band Wireless-AC 7265, 802.11ac, 2x2, up to 867 Mbps
- Dual Mode Bluetooth 4.0

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
- 2x Internal USB 2.0 ports via 1x8 header (for replaceable lid support)
- One AUX_PWR header

AUDIO
- Intel® HD Audio[5] via Mini HDMI 1.4a and Mini DisplayPort version 1.2 supporting 8 channel digital audio (7.1 surround sound)
- Intel HD Audio via front panel analog audio jack (supporting headset, speakers, headphones, microphone)

FRONT-PANEL CONNECTORS
- Reset, HDD LED, Power LEDs, power on/off

MECHANICAL CHASSIS SIZE
- 4.53" x 4.37" x 1.92"
- 115mm x 111mm x 48.7mm

BASEBOARD POWER REQUIREMENTS
- 19V, 65W wall-mount AC-DC power adapter
- Multi-country AC adapter (IEC plug types A, C, G, and I)

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 REGULATIONS AND STANDARDS (CLASS B)
- CISPR 22
- FCC CFR Title 47, Chapter I, Part 15, Subparts A, B
- ICES-003
- EN 55022
- EN 55024
- VCCI V-3, V-4
- KN-22
- KN-24
- CNS 13438

ENVIRONMENTAL REGULATIONS
- RoHS Directive 2011/65/EU
- WEEE Directive 2002/96/EC
- China RoHS MII Order #39

Look for Intel® NUC with Intel Inside® at www.intel.com/NUC

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[1] Requires an Intel® Wireless Display enabled system, compatible adapter and TV. 1080p and Blu-Ray* or other protected content playback only available on select Intel® processor-based systems with built-in visuals enabled, a compatible adapter and media player, and supporting Intel® WiDi software and graphics driver installed. Consult your PC manufacturer. For more information, see www.intel.com/go/widi.

[2] Requires a system with Intel® Turbo Boost Technology. Intel Turbo Boost Technology and Intel Turbo Boost Technology 2.0 are only available on select Intel® processors. Consult your system manufacturer. Performance varies depending on hardware, software, and system configuration. For more information, visit http://www.intel.com/go/turbo

[3] Requires a select Intel® processor, enabled chipset and a Solid-State Drive (SSD) or hybrid drive. Contact your system manufacturer for more information.

[4] Requires an Intel® Ready Mode Technology-enabled system or motherboard, a genuine Intel® processor, and Windows* 7 or Windows 8 OS. Results dependent

upon hardware, applications installed, Internet connectivity, setup, and configuration. For more information about Intel Ready Mode Technology, refer to http://www.intel.com/content/www/us/en/architecture-and-technology/intel-ready-mode-technology.html.

[5] Requires an Intel® HD Audio enabled system. Consult your PC manufacturer for more information. Sound quality will depend on equipment and actual implementation. For more information about Intel HD Audio, refer to www.intel.com/design/chipset/hdaudio.htm

[6] Available on select Intel® processors. Requires an Intel® HT Technology-enabled system. Your performance varies depending on the specific hardware and software you use. Learn more by visiting http://www.intel.com/info/hyper-threading.

[7] Requires a system with a 64-bit enabled processor, chipset, BIOS and software. Performance varies depending on the specific hardware and software you use. Check with your manufacturer for more information. Learn more at http://www.intel.com/info/em64t.

[8] System resources and hardware (such as PCI and PCI Express*) require physical memory address locations that can reduce available addressable system memory. This could result in a reduction of as much as 1 GB or more of physical addressable memory being available to the operating system and applications, depending on the system configuration and operating system.

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