

PRODUCT BRIEF

NUC5i5RYK

Intel® NUC Kit



7.1 SURROUND SOUND



SUPPORTS
4K DISPLAY

802.11ac WIRELESS
+ BLUETOOTH



INTEL
HD GRAPHICS
6000



INTEL® RAPID START
TECHNOLOGY

M.2 SSD
SUPPORT

MINI
HDMI

USB 3.0
CHARGING PORT

The Shape that Fits the Future.



Think you know what small can do?
Think again.

Powering Your Digital Life

A revolution in ultra-compact device design, the Intel® NUC NUC5i5RYK packs a range of features, including the latest 5th generation Intel® Core™ i5 processor and Intel® HD Graphics 6000, into 4 inches square. This fully scalable Mini PC has the performance to drive home theater PCs, media server PCs, home hubs, and intelligent computing for small spaces.

Whether you want a digital jukebox, home hub, or mainstream gaming PC, the Intel NUC NUC5i5RYK gives you the power to play, create, entertain, and inspire. The system is designed to hold a lightning fast and compact M.2 SSD so you can quickly stream music or movie files, and also features consumer infrared and a Mini HDMI* video interface. With Intel® WiDi¹ you can connect your monitor without any additional cables and Bluetooth lets you place wireless speakers where you want—all the features you want in a space-saving, clutter-free design.

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.

Superior processing and graphics

The Intel NUC NUC5i5RYK is equipped with the 5th generation Intel® Core™ i5-5250U processor with Intel® Turbo Boost Technology 2.0² which gives you extra GHz on demand to let you maximize performance on processor-intensive tasks like gaming. Intel HD Graphics 6000 with 4K display capabilities gives you a vibrant visual experience without an extra graphics card—which means your games just got more epic.

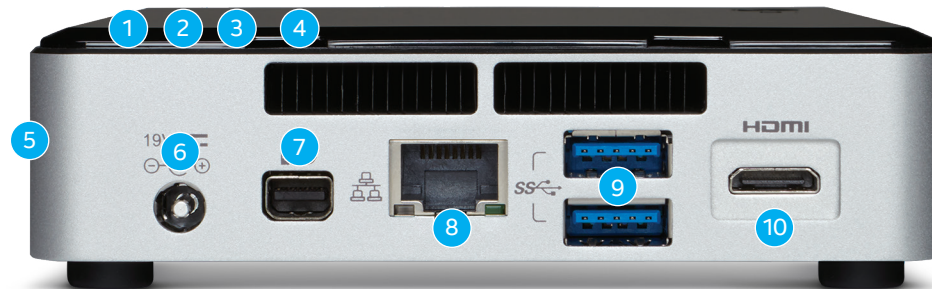
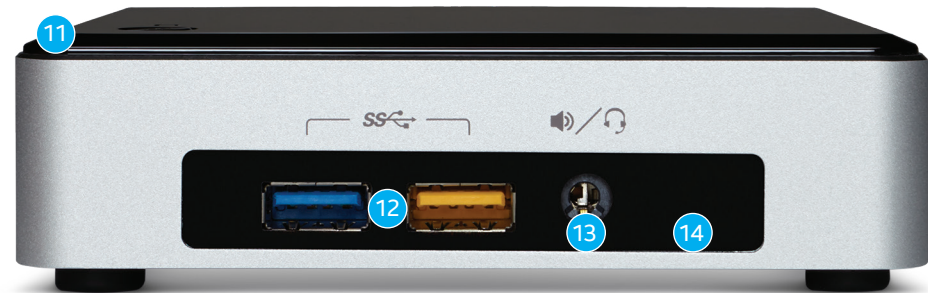
Advanced technologies

Based on the 5th generation Intel® Core™ processor, you'll get ultra-responsive performance in a highly secure platform. Intel® Rapid Start Technology³ ensures that there's less waiting and more doing. Intel® Ready Mode Technology⁴ 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 Intel® Dual Band Wireless-AC and Bluetooth 4.0
- 5 Kensington lock support
- 6 Backpanel DC power connector (12V - 19V)
- 7 One Mini DisplayPort* version 1.2 supporting 8 channel digital audio (7.1 surround sound)
- 8 Intel® Gigabit LAN
- 9 2x USB 3.0 ports on the front panel
- 10 Mini HDMI* port supporting HDMI 1.4a and 7.1 surround sound
- 11 Support for user-replaceable third-party lids
- 12 2x USB 3.0 ports on the back panel (including one charging port)
- 13 Intel® HD Audio⁵ via Headphone/Microphone jack
- 14 Consumer infrared sensor



Intel® NUC NUC5i5RYK

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 Technology⁶
- Supports Intel® 64 architecture⁷

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® SSDs

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 Audio⁵ 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 1.36"
- 115mm x 111mm x 34.5mm

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

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.

