



PRODUCT BRIEF

# NUC5i7RYH

Intel® NUC Kit



SUPPORTS  
**4K DISPLAY**



802.11ac WIRELESS  
+ BLUETOOTH 4.0

INTEL® IRIS™ GRAPHICS



**7.1 SURROUND SOUND**



**M.2 SSD** **2.5" HDD**

**USB 3.0**  
CHARGING PORT

The Shape that Fits the Future.



Our most powerful Intel® NUC ever.

## Play. Create. Entertain. Transform.

A Mini PC with the power of a desktop tower, the Intel® NUC NUC5i7RYH packs the Intel® Core™ i7 processor with Intel® Iris™ graphics,<sup>1</sup> and support for wicked fast M.2 form factor SSDs and 2.5" drives into 4 inches square. This fully scalable, Mini PC is the most powerful Intel NUC yet and gives you premium performance and eye-popping visuals you need to play, create, entertain, and transform.

Complete with WiFi 802.11ac, Bluetooth,\* and 7.1 surround sound, the Intel NUC NUC5i7RYH is ideal for home theater PCs, media server PCs, and gaming PCs, as well as your most demanding tasks. The consumer infrared sensor means you can control your Intel NUC from the comfort of your couch, and the system has room for both a 2.5" HDD so you can store all your media AND an M.2 SSD drive so you can transfer data at lightning speeds. Use the mini display port, the mini HDMI\* video interface, or Intel® WiDi<sup>1</sup> to connect your Intel NUC to a display.

A replaceable lid gives you plenty of options to create the Intel 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 even when the Intel NUC is idle or off. With this kind of power, size, and versatility, you'll rethink what's possible.

### Built in brilliance, powerful performance

The Intel NUC NUC5i7RYH is equipped with the 5th generation Intel Core i7-5557U processor, giving you premium performance so you can access multiple applications effortlessly and unleash incredible digital media creation capabilities. It also features Intel Iris graphics 6100 with 4K display capabilities to provide discrete-level graphics performance<sup>2</sup> and amazing multimedia experiences for immersive gaming and home theaters. You can watch theater-quality 4K videos in your living room or grab a game controller and answer the call of duty, seeing your games the way they were meant to be seen. When creating content, your video and images render quickly and display brilliantly.

### Advanced technologies

Based on the 5th generation Intel Core i7 processor, you'll get ultra-responsive performance and less waiting and more doing with Intel® Rapid Start Technology.<sup>1</sup> Intel® Ready Mode Technology<sup>1</sup> 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. Who knew that 4 inches square could offer so much capacity?

## Power, Capabilities, and Performance in Four Inches Square

### HIGHLIGHTED FEATURES

- 1 5th generation Intel® Core™ i7-5557U 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<sup>3</sup> 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<sup>1</sup> via Headphone/Microphone jack
- 15 Consumer infrared sensor



# Intel® NUC NUC5i7RYH

## TECHNICAL SPECIFICATIONS

### PROCESSOR

- 5th generation Intel® Core™ i7-5557U processor (3.1 GHz up to 3.4 GHz Turbo Dual Core, 4 MB Cache, 28W TDP)
- Supports Intel® Hyper-Threading Technology<sup>1</sup>
- Supports Intel® 64 architecture<sup>1</sup>

### GRAPHICS

- Intel® Iris™ graphics 6100<sup>1</sup>
- 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 slot supporting 22x42, 22x60, and 22x80 SATA or PCIe<sup>3</sup> SSDs
- One SATA 6 Gbps 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<sup>1</sup> 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 HEADER

- 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 +50° C

### STORAGE TEMPERATURE

- -20° C to +70° 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

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

<sup>2</sup> Performance based on Futuremark 3dmark Fire Strike Graphics Score comparing Intel® Iris™ graphics 5100 and Intel® Iris™ Pro graphics 5200 vs Nvidia 820M, 830M & 840M discrete graphics cards.

<sup>3</sup> 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.

