



#### PRODUCT BRIEF

# NUC5i3RYHS & NUC5i3RYHSN

Intel® NUC Mini PC Kits



**7.1** SURROUND SOUND



**SUPPORTS  
4K DISPLAY**

802.11ac WIRELESS  
+ BLUETOOTH



**INTEL  
HD GRAPHICS 5500**

**INTEL® RAPID START  
TECHNOLOGY**

**M.2 SSD  
SUPPORT**

**2.5" HDD  
SUPPORT**

**USB 3.0  
CHARGING PORT**

The Shape that Fits the Future.



# Think you know what small can do? Think again.

For small business, the Intel® NUC5i3RYHS and the Intel® NUC5i3RYHSN kits meet the needs of users who want the powerful capabilities of the 5th gen Intel® Core™ i3 processor at an affordable price—all in a small package that fits in the palm of your hand.

The NUC5i3RYHS and the NUC5i3RYHSN kits are built with a dual-core Intel Core i3 processor which delivers the performance to get work done at a price that won't break the budget. With enhancements like Intel® Rapid Start technology to get quickly up and running, and hardware-level security features, the Mini PC kits deliver performance and protection.

Both come with WiFi 802.11ac, Bluetooth\* 4.2, Intel gigabit LAN, and 7.1 surround sound. The chassis have a mini DisplayPort\* 1.2 and a mini HDMI\* 1.4a interface to connect to 4K displays. Intel® HD Graphics displays information in brilliant 4K and keeps eyes from tiring on systems used as PC replacements. 4K also adds crisp definition and clarity to images and messages on entry-level digital signage.

## [The Intel NUC5i3RYHSN kit: add the operating system and go](#)

Whether it's a small business PC to handle basic office productivity or a kit for 4K digital signage or kiosks with eye-catching graphics, the NUC5i3RYHSN Mini PC kit with a 1 TB HDD and 4 GB of DDR3L RAM is up to the task. There's room for business files, media, and more. The system comes without an operating system but is designed to be Windows® 10, Windows 7\*, and Linux\* compatible. The ability to choose the right OS allows for maximum flexibility for unique usages.

## [The Intel NUC5i3RYHS kit allows for additional customization](#)

The NUC5i3RYHS kit is also designed for Windows 10, but offers the choice to install the OS, memory, and hard drive for the exact system needed. From PC replacement to entry-level digital signage, digital kiosks to intelligent vending, the NUC5i3RYHS kit can be configured exactly.

With support for up to 16 GB of DDR3L RAM, media streams without stuttering and multitasking becomes easier. There are 4 USB 3.0 ports including a USB charging port. Internal headers, including AUX\_PWR and CEC, allow for customization for PC-like embedded systems.

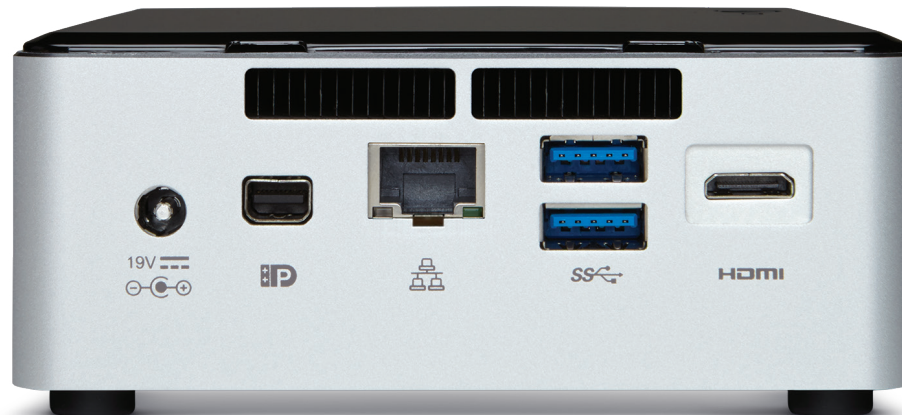
[INTEL® NUC: Performance meets value](#)



## Go Small. Get Big.

### HIGHLIGHTED FEATURES

- 5th generation Intel® Core™ i3 Processor 5005U
- Intel® HD Graphics 5500
- Two DDR3L SO-DIMM sockets (NUC5i3RYHS)
- 4 GB DDR3L RAM installed (NUC5i3RYHSN)
- One SATA3 port for connection to 2.5" HDD or SSD (NUC5i3RYHS)
- One SATA3 1 TB 2.5" HDD (NUC5i3RYHSN)
- M.2 slot with flexible support for a 22x42/60/80mm NVMe SSD
- Intel® Wireless-AC 7265 and Bluetooth® v4.2
- Two USB 2.0 internal headers
- Back panel DC power connector (12–19V)
- One Mini HDMI\* 1.4a display port supporting 8 channel audio (7.1 surround sound)
- One Mini DisplayPort\* 1.2 supporting 8 channel audio (7.1 surround sound)
- Intel Gigabit LAN
- Two USB 3.0 ports on the back panel
- Kensington lock support
- Support for user-replaceable third-party lids
- Two USB 3.0 ports on the front panel (one charging)
- Consumer infrared sensor
- 3.5mm front stereo headset jack





# Intel® NUC NUC5i3RYHS & NUC5i3RYHSN

## TECHNICAL SPECIFICATIONS

### PROCESSOR

- Intel® Core™ i3 processor 5005U (2.0 GHz, 3M Cache, 15W TDP)

### GRAPHICS

- Intel® HD Graphics 5500
- One Mini HDMI\* 1.4a port
- One Mini DisplayPort\* 1.2 port

### SYSTEM MEMORY

- Two DDR3L SO-DIMM sockets (up to 16 GB, 1600 MHz), 1.35V (NUCi5RYHS)
- 4 GB DDR3L RAM installed (2 x 2 GB, 16 GB max, 1600 MHz), 1.35V (NUCi5i3RYHSN)

### STORAGE CAPABILITIES

- One SATA3 1 TB HDD installed (NUCi5i3RYHSN)
- One SATA3 port for connection to 2.5" HDD or SSD (NUCi5RYHS)
- One M.2 slot with flexible support for a NVMe SSD

### PERIPHERAL CONNECTIVITY

- Gigabit LAN
- Four USB 3.0 ports (two back panel ports and two front panel ports including one charging port)
- Intel® Wireless-AC 7265 with Bluetooth\* v4.2

### SYSTEM BIOS

- 64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V5.0b, 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

- Two USB 2.0 ports via internal headers
- One NFC header
- One AUX\_PWR header

### AUDIO

- Up to 7.1 surround audio via Mini HDMI or Mini DisplayPort
- 3.5mm front headset jack

### 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 49mm

### 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

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT, OR OTHER INTELLECTUAL PROPERTY RIGHT.

Intel products are not intended for use in medical, life-saving, or life-sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

All products, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. Availability in different channels may vary.

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

Look for Intel® NUC with Intel Inside® at  
[www.intel.com/NUC](http://www.intel.com/NUC)

