



PRODUCT BRIEF

D34010WYKH

Intel® NUC Kit



MINI
HDMI*



CONSUMER
INFRARED
SENSOR

GIGABIT LAN



USB
3.0



MINI DISPLAY
PORT*

The Shape that Fits the Future.



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

Tiny and Powerful

A revolution in ultra-compact device design, this new Intel® NUC packs more features, including support for 2.5" drives, into an innovative small form factor. This fully scalable, computing solution comes complete with the latest 4th generation Intel® Core™ i3 processor. The Intel NUC provides a flexible, customizable engine to drive home theater PCs, media server PCs, and intelligent computing for small spaces, or anywhere else you can imagine. The D34010WYKH SKU of Intel NUC has many useful features including four USB 3.0 ports, an infrared sensor, a headphone/microphone jack, Mini HDMI* and Mini DisplayPort* video interfaces, and extra space to accommodate 2.5" HDD or SSD drives to support a variety of home or small office usages. Additional SKUs of the D34010WYKH family include power cord options for multiple countries. With that kind of power, size, and versatility, you'll rethink what's possible. Because the only thing more amazing than Intel® technology is what you'll do with it.

Superior processing and graphics

The D34010WYKH is equipped with the 4th generation Intel® Core™ i3-4010U processor featuring visibly smart graphics using Intel® HD Graphics 4400 to provide amazing performance and visually stunning graphics for casual and online gaming, video playback, and web browsing.

Advanced technologies

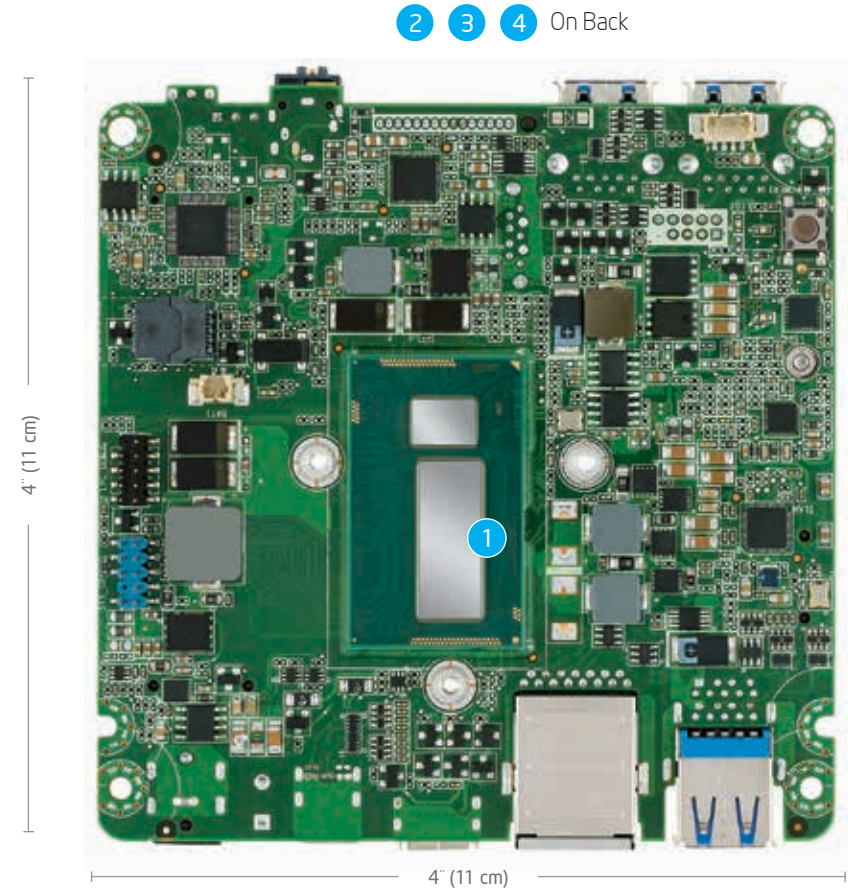
Based on the 4th generation Intel® Core™ processor, you'll get ultra-responsive performance in a highly secure platform. Intel® Rapid Start Technology¹ ensures you are quickly up and running, and you'll stay up to date with Intel® Smart Connect Technology.² Also, with Intel® Smart Response Technology³ you'll get SSD-like performance from your Intel NUC-based system. 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 Intel Core i3-4010U processor
- 2 Two SO-DIMM sockets for memory expandability up to 16 GB
- 3 Dual PCIe* mini card connectors for flexible support of wireless and SSD configurations
- 4 1x SATA port for connection to 2.5" HDD or SSD
- 5 One Mini DisplayPort supporting DP 1.2 and one Mini HDMI port supporting HDMI 1.4a
- 6 Dual rear panel USB 3.0 ports
- 7 Intel® Gigabit LAN
- 8 19V, 65 W DC power connector
- 9 Dual front panel USB 3.0 ports
- 10 Consumer infrared sensor
- 11 Headphone/microphone jack



Intel® NUC Kit D34010WYKH

TECHNICAL SPECIFICATIONS

PROCESSOR

- Intel® Core™ i3 4010U Processor (1.7 GHz Dual-Core processor with 3 MB smart cache)
- Supports Intel® Hyper-Threading Technology⁴
- Supports Intel® 64 architecture⁵

GRAPHICS

- Intel® HD Graphics 4400
- One Mini DisplayPort* 1.2 supporting ultra-high definition 4K displays and multiple monitor functionality
- One Mini HDMI* 1.4a port

PERIPHERAL CONNECTIVITY

- Integrated Intel 10/100/1000 Network Connection
- Four Super Hi-Speed USB 3.0 ports (two back panel ports and two front ports)
- Two additional Hi-Speed USB 2.0 ports via internal header

MEMORY VOLTAGE

- 1.35 V

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

FAST BOOT BIOS

- Optimized POST for almost instant-on access to PC from power on

SYSTEM MEMORY

- Dual-channel DDR3L with two connectors for 1600/1333 MHz memory support (16 GB max)

HARDWARE MANAGEMENT FEATURES

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

INTEL® PRO 10/100/1000 NETWORK CONNECTION

- Low-power design

EXPANSION CAPABILITIES

- One PCI Express* half-mini card connector⁶
- One PCI Express full-mini card connector⁶
- 1x SATA port for connection to 2.5" HDD or SSD

AUDIO

- Intel® HD Audio⁷ via Mini HDMI 1.4a and Mini DisplayPort 1.2 output supporting 8 channel (7.1) digital audio
- Intel® HD Audio via stereo analog audio jack (microphone in/headphone out/speaker out)

FRONT-PANEL CONNECTORS

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

MECHANICAL CHASSIS SIZE

- 4.59" x 4.41" x 1.95"
- 116.6mm x 112.0mm x 49.5mm

BOARD SIZE

- 4" x 4"
- 101.6mm x 101.6mm

BASEBOARD POWER REQUIREMENTS

- DC Power 12 - 19 V, 65 W
- Power Cord Options (Types B, E, and G)

ENVIRONMENT OPERATING TEMPERATURE

- 0° C to +50° C

STORAGE TEMPERATURE

- 20° C to +70° C

REGULATIONS AND SAFETY STANDARDS

United States

UL 60950-1

Canada

CAN/CSA-C22.2 No. 60950-1

Europe

(Low Voltage Directive 2006/95/EC)

EN 60950-1

International

IEC 60950-1

EMC REGULATIONS (CLASS B)

United States

FCC CFR Title 47, Chapter I, Part 15, Subparts A, B

Canada

ICES-003

Europe

(EMC Directive 2004/108/EC)

EN 55022 and EN 55024

Australia/New Zealand

EN 55022

Japan

VCCI V-3, V-4

South Korea

KN-22 and KN-24

Taiwan

CNS 13438

International

CISPR 22

ENVIRONMENTAL COMPLIANCE

Europe

Europe RoHS (Directive 2011/65/EU)

China

China RoHS (MII Order #39)

¹ Requires a select Intel® processor, Intel® software and BIOS update, and a Solid-State Drive (SSD) or hybrid drive. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

² Intel® Smart Connect Technology requires a select Intel® processor, Intel® software and BIOS update, Intel® Wireless adapter, and Internet connectivity. Solid-state memory or drive equivalent may be required. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

³ Intel® Smart Response Technology requires a Intel® Core™ processor, select Intel® chipset, Intel® Rapid Storage Technology software version 12.5 or higher, and a solid state hybrid drive reporting at least 16 GB capacity and supporting SATA-IO hybrid information feature. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

⁴ Available on select Intel® Core™ processors. Requires an Intel® HT Technology-enabled system. Consult your PC manufacturer. Performance will vary depending on the specific hardware and software used. For more information including details on which processors support HT Technology, visit <http://www.intel.com/info/hyperthreading>.

⁵ Requires a system with a 64-bit enabled processor, chipset, BIOS and software. Performance will vary depending on the specific hardware and software you use. Consult your PC manufacturer for more information. For more information, visit <http://www.intel.com/info/em64t>

⁶ 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.

⁷ 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

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 or board may differ from the image shown.



Look Inside.™

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