(intel®) Look Inside.™

D54250WYKH
Intel® NUC Kit

intel® inside™ CORE™ i5

MINI HDMI*

CONSUMER INFRARED SENSOR

GIGABIT LAN

USB 3.0

MINI DISPLAY PORT*

The Shape that Fits the Future.

Ultra Compact. Ultra Impact.

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™ i5 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 D54250WYKH 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 D54250WYKH 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 D54250WYKH is equipped with the 4th generation Intel® Core™ i5-4250U processor with Intel® Turbo Boost Technology 2.0[1], automatically allowing processor cores to safely run faster than the base operating frequency for short durations to maximize performance. It also features visibly smart graphics using Intel® HD Graphics 5000 to provide amazing performance and visually stunning graphics for immersive gaming, media editing with Intel® Quick Sync Video, and HD playback with Intel® Clear Video HD Technology (Intel® CVT HD).

Advanced technologies
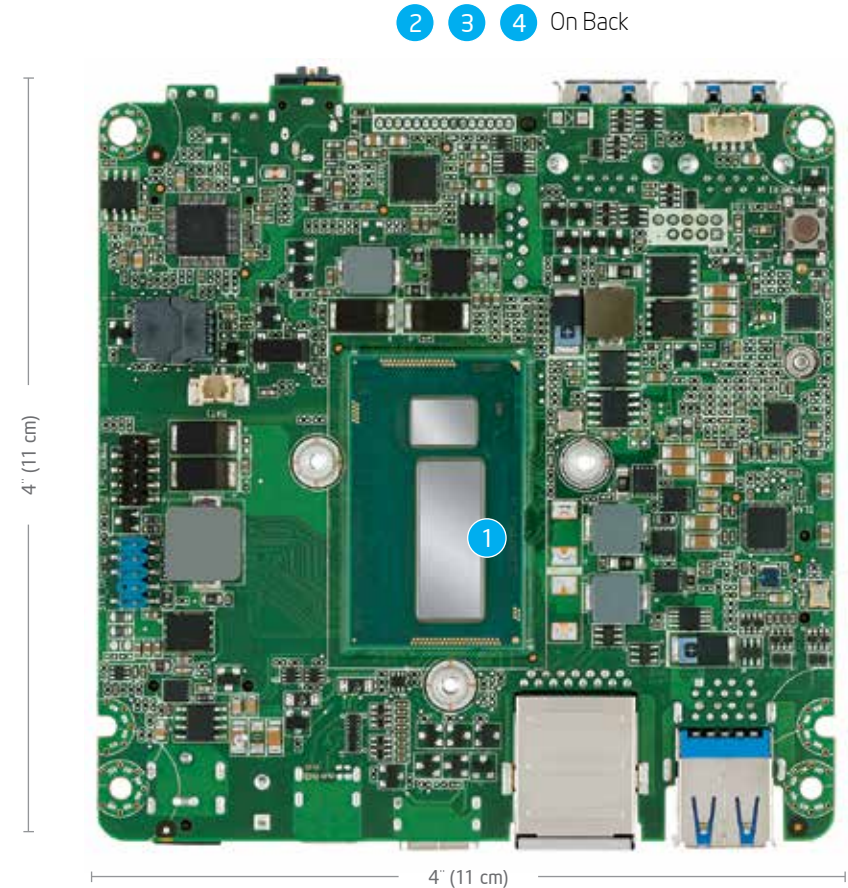
Based on the 4th generation Intel® Core™ processor, you'll get ultra-responsive performance in a highly secure platform. Intel® Rapid Start Technology[2] ensures you are quickly up and running, and you'll stay up to date with Intel® Smart Connect Technology.[3] Also, with Intel® Smart Response Technology[4] 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.

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

Power, Capabilities, and Performance in Four Inches Square

HIGHLIGHTED FEATURES

1 Intel Core i5-4250U 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

2 3 4 On Back

4" (11 cm)

4" (11 cm)

Intel® NUC Kit D54250WYKH
TECHNICAL SPECIFICATIONS

PROCESSOR
- Intel® Core™ i5 4250U Processor (1.3 GHz with turbo capability to achieve 2.6 GHz, Dual-Core processor with 3 MB smart cache)
- Supports Intel® Hyper-Threading Technology[5]
- Supports Intel® 64 architecture[6]

GRAPHICS
- Intel® HD Graphics 5000
- 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 connector[7]
- One PCI Express full-mini card connector[7]
- 1x SATA port for connection to 2.5" HDD or SSD

AUDIO
- Intel® HD Audio[8] 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)

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