(intel®)

DC53427HYE

Intel® NUC Kit

INTEL® vPRO™ TECHNOLOGY

2 Mini DisplayPorts*

USB 3.0 | HDMI*

GIGABIT LAN

intel inside™
CORE™ i5 vPro™

The Shape that Fits the Future.

Ultra Compact. Ultra Impact.

A revolution in ultra-compact device design, Intel® NUC packages a fully scalable, computing solution in the smallest possible form factor, complete with the Intel® Core™ i5 vPro™ processor. This new generation computing device provides a flexible, customizable engine to drive digital signage, kiosks, and intelligent computing for small spaces, or anywhere else you can imagine. Intel NUC also has triple display[1] capabilities for multiple monitoring and display, along with Intel® vPro™ technology which lets your IT service provider remotely manage or repair your system. With that kind of power and size, 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

Visibly smart graphics using the 3rd generation Intel® Core™ i5-3427U processor equipped with the integrated Intel HD4000 graphics to provide amazing performance and visually stunning graphics across a triple display configuration.

Advanced technologies

Based on the 3rd generation Intel® Core™ vPro™ processor, you'll get embedded security that helps keep threats out, user identities and credentials safe, and clients and data protected[2]. If that wasn't enough, this processor is also responsive to your users' computing needs, while delivering the manageability you've come to expect from Intel vPro technology.

(intel) WiDi Wireless Display

(intel) ANTI-THEFT TECHNOLOGY

Windows 8 Compatible
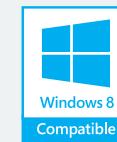
Think you know what small can do? Think again.

Power, Capabilities, and Performance in Four Inches Square

4" (11 cm)

4" (11 cm)

HIGHLIGHTED FEATURES

1 Intel Core i5-3427U processor supporting Intel vPro technology and Intel® Small Business Advantage

2 Intel® QS77 Express chipset

3 Dual Mini DisplayPorts* supporting DP 1.1a and one HDMI* port supporting HDMI 1.4a for triple display capability

4 Intel® Gigabit LAN

5 Front Panel USB 3.0 port

6 Dual USB 2.0 ports

7 19 V, 65 W DC power connector

8 Dual SO-DIMM sockets for memory expandability up to 16 GB

Intel® NUC Kit DC53427HYE TECHNICAL SPECIFICATIONS

PROCESSOR
- Intel® Core™ i5 3427U Processor (1.8 GHz with turbo capability to achieve 2.8 GHz, Dual-Core processor with 3 MB smart cache)
- Supports Intel® HyperThreading Technology
- Supports Intel® 64 architecture[3]

CHIPSET
- Intel® QS77 Express Chipset

GRAPHICS
- Intel® HD Graphics 4000
- Two Mini DisplayPorts and One HDMI port supporting triple independent display capability

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

EXPANSION CAPABILITIES
- Dual mini-PCIe* slots for mSATA and other peripheral expansion capability[4]

MEMORY VOLTAGE
- 1.5 V and 1.35 V

SYSTEM BIOS
- 128 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V3.0b, SMBIOS2.5
- Intel® Express BIOS update support

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

SYSTEM MEMORY
- Dual-channel DDR3 with two connectors for 1600/1333/1066 MHz memory support (16 GB max)

HARDWARE MANAGEMENT FEATURES
- Processor fan speed control
- System chassis 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
- One PCI Express full-mini card connector

AUDIO
- Intel® High Definition Audio[5] (Intel® HD Audio) via HDMI 1.4a and DisplayPort 1.1a outputs supporting 8 channel (7.1) digital audio

JUMPERS AND FRONT-PANEL CONNECTORS
Front-Panel Connectors
- Reset, HDD LED, Power LEDs, power on/off
- Front-panel Hi-Speed USB 2.0 headers

MECHANICAL CHASSIS SIZE
- 4.59" x 4.41" x 1.55"
- 116.6mm x 112.0mm x 39.0mm

BOARD SIZE
- 4" x 4"
- 101.6mm x 101.6mm

BASEBOARD POWER REQUIREMENTS
- DC Power 19 V, 65 W

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 the Intel® NUC with Intel Inside® at **www.intel.com/NUC**