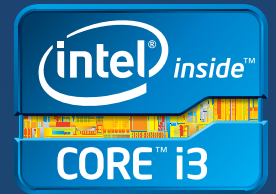
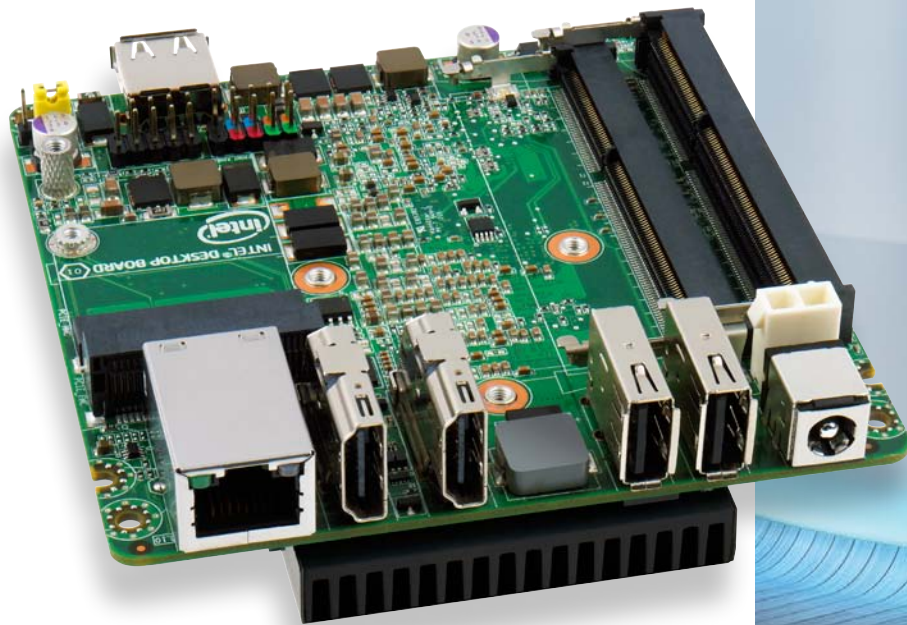


Intel® Desktop Board D33217GKE



Next Unit of Computing by Intel®

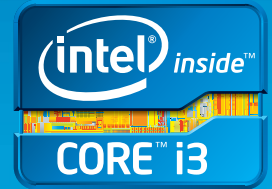
- Superior processing and graphics
- Stunningly small form factor
- Advanced Technologies



PRODUCT BRIEF

Next Unit of Computing by Intel®

with Intel® Desktop Board D33217GKE



Think you know what small can do? Think again.

No more compromising between performance, profile, and price. The Next Unit of Computing (NUC) is a tiny 4"×4"×2" computing device with the power of the 3rd generation Intel® Core™ i3 processor. Its lower power consumption enables innovative system designs and energy-efficient applications in places like digital signage, home entertainment, and portable uses.

Superior processing and graphics

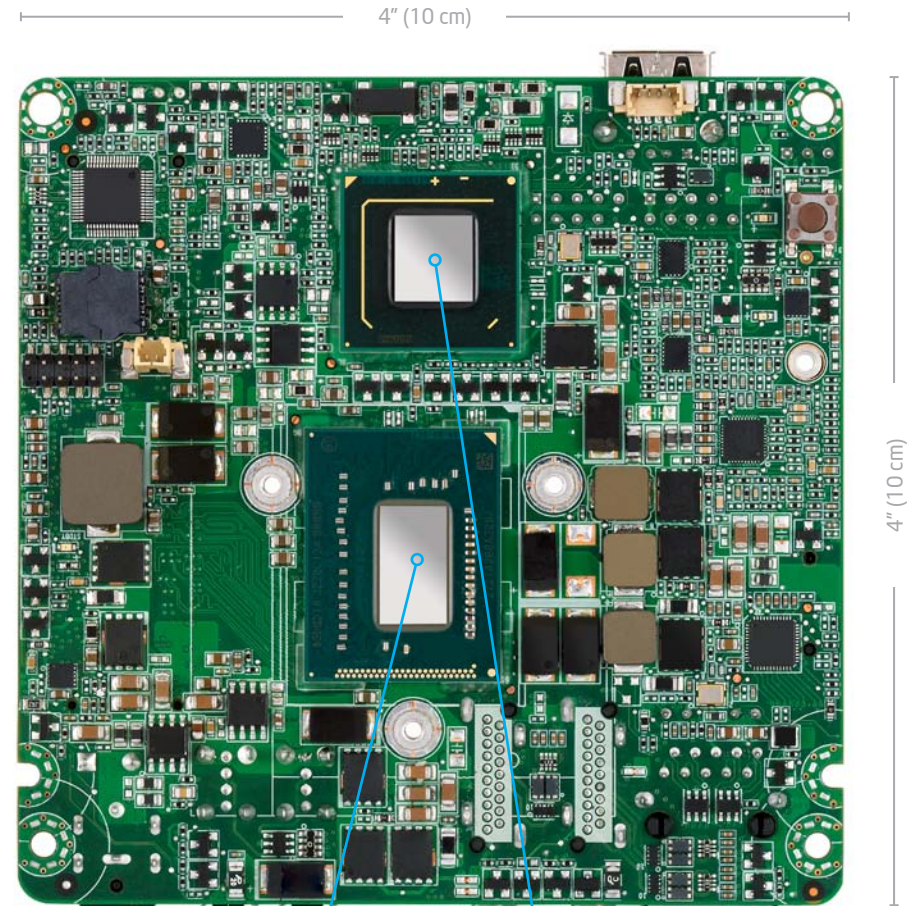
Visibly smart graphics using the 3rd generation Intel® Core™ i3-3217U processor deliver amazing performance and visually stunning graphics.

Stunningly small form factor

The 4"×4"×2" form factor unlocks a world of potential design applications, from digital signage and kiosks to portable innovations.

Advanced Technologies

The NUC features two SO-DIMM sockets for expandability upto 16 GB of memory, two PCIe* mini-card connectors for flexible support of wireless and SSD configurations, BIOS vault technology, fast boot and the Intel® Visual BIOS. The NUC also supports Intel® Anti-Theft™ Technology providing hardware intelligence designed to protect your device and its data if its lost or stolen.



Intel® Core™ i3-3217U Processor

Intel® QS77 Express Chipset



Intel® Desktop Board D33217GKE

Features and Benefits



1 × USB 2.0 connector on the front panel

2 × Internal USB 2.0 via 2 × 5 header

2 × PCIe mini slots
(1 × half-length & 1 × full/half-length)

Dual HDMI connectors supporting
dual independent display

Intel® 10/100/1000 Network Connection

Dual channel SODIMM DDR3
1333/1600 MHz

2 × USB 2.0 connectors on back panel

19V DC Power Input (external power supply)



Intel® Desktop Board D33217GKE

Technical Specifications



PROCESSOR

Processor Support

- Intel® Core™ i3 3217U Processor (1.8 GHz, Dual Core processor with 3 MB smart cache)
- Supports Intel® 64 architecture³

CHIPSET

- Intel® QS77 Express Chipset

GRAPHICS

- Dual HDMI Ports supporting HDMI 1.4a with dual independent display capability

PERIPHERAL CONNECTIVITY

- Integrated Intel 10/100/1000 Network Connection
- Three Hi-Speed USB 2.0 ports (two back panel ports and one front panel port)

EXPANSION CAPABILITIES²

- Two USB 2.0 ports via internal 2 × 5 header
- One full length mini-PCIe slot supporting mSATA capability
- One half length mini-PCIe slot with dual USB 2.0 ports routed

SYSTEM BIOS

- Intel® Visual 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® Express BIOS update support

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

SYSTEM MEMORY¹

Memory Capacity

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

Memory Voltage

- 1.5V and 1.35V

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

AUDIO

- Intel® High Definition Audio (Intel HD Audio) via two HDMI 1.4a outputs supporting 8 channel (7.1) digital audio

INDICATORS AND CONTROLS

- HDD LED, Power LED
- Power on/off

MECHANICAL

Board Size

- 4"×4" (101.6 mm×101.6 mm)

Baseboard Power Requirements

- DC Power 19V, 65 Watt

ENVIRONMENT

Operating Temperature

- 0°C to +55°C

Storage Temperature

- -20°C to +70°C

COMPLIANCE WITH REGULATIONS AND STANDARDS

Safety Regulations

- UL/CSA 60950-1
- EN 60950-1
- IEC 60950-1

EMC Class B Regulations

- CISPR 22
- CISPR 24
- FCC 47 CFR Part 15, Subpart B
- ICES-003
- EN 55022
- EN 55024
- EN 61000-3-2
- EN 61000-3-3
- IEC/EN 61000-4 Series
- VCCI V-3
- KN-22
- KN-24
- CNS 13438

ENVIRONMENTAL COMPLIANCE

- Europe RoHS
- China RoHS

¹ WARNING: Altering PC memory frequency, voltage and/or latency may: (i) reduce system stability and useful life of the system, memory and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel has not tested, and does not warrant, the operation of the memory beyond its specifications. Intel assumes no responsibility that the memory, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. Check with memory manufacturer for warranty and additional details.

² 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.

³ 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See <http://developer.intel.com/technology/intel64/index.htm> for more information.

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Actual Intel® Desktop Board may differ from the image shown.

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