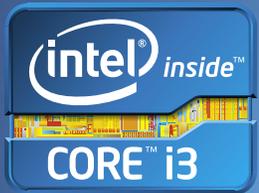
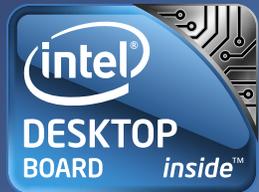


# The Shape that Fits the Future

## DC3217BY



only  
4" x 4"

PRODUCT BRIEF

Introducing Intel's Next Unit  
of Computing Kit DC3217BY

### THINK YOU KNOW WHAT SMALL CAN DO? THINK AGAIN.

It's one thing to power your digital display and transfer video blazingly fast. It's another to do all that and more with a miniscule, intelligent powerhouse of a computing device. Which is why we invented the Intel® Next Unit of Computing (NUC). At a diminutive 4"×4"×2" form factor and equipped with the Third Generation Intel® Core™ i3 processor, the DC3217BY delivers stunning visuals and responsive performance from a pocket-sized solution. What's even more amazing, is that such a small device can offer so much power in an expandable, customizable package. Dramatically increase data transfer rates and transform device interconnectivity with Thunderbolt™ technology. Get a difference in performance you can truly see and feel.

### SUPERIOR PROCESSING AND GRAPHICS

Visibly smart graphics using the 3<sup>rd</sup> 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 TECHNOLOGY

The DC3217BY features Intel's Thunderbolt™ technology transforming device interconnectivity, dramatically increasing transfer performance with bi-directional 10Gbps speed, and offers daisy chaining to multiple devices, 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 Intel® Visual BIOS.

Integrated Board	• D33217CK
Dimensions	• 116.6mm×112.0mm×39.0mm (4.59"×4.41"×1.55")
Cooling	• Active
Drive options	• mSATA
Color options	• Maroon only
Chassis design	• Aluminum and Plastic
Power Supply	• 19V, 65W DC-DC power adapter included
Additional Features	• Antenna for WIFI and Bluetooth pre-assembled for ease of deployment • Front Panel USB 2.0 • VESA mounting bracket included • Product Guide



# Full PC functionality in its simplest form

# ...with Intel® Desktop Board D33217CK

Intel® Thunderbolt port for extreme connectivity and transfer rates

HDMI port supporting HDMI 1.4a for best in class display

Dual USB 2.0 Ports

19V, 65W DC Power connector



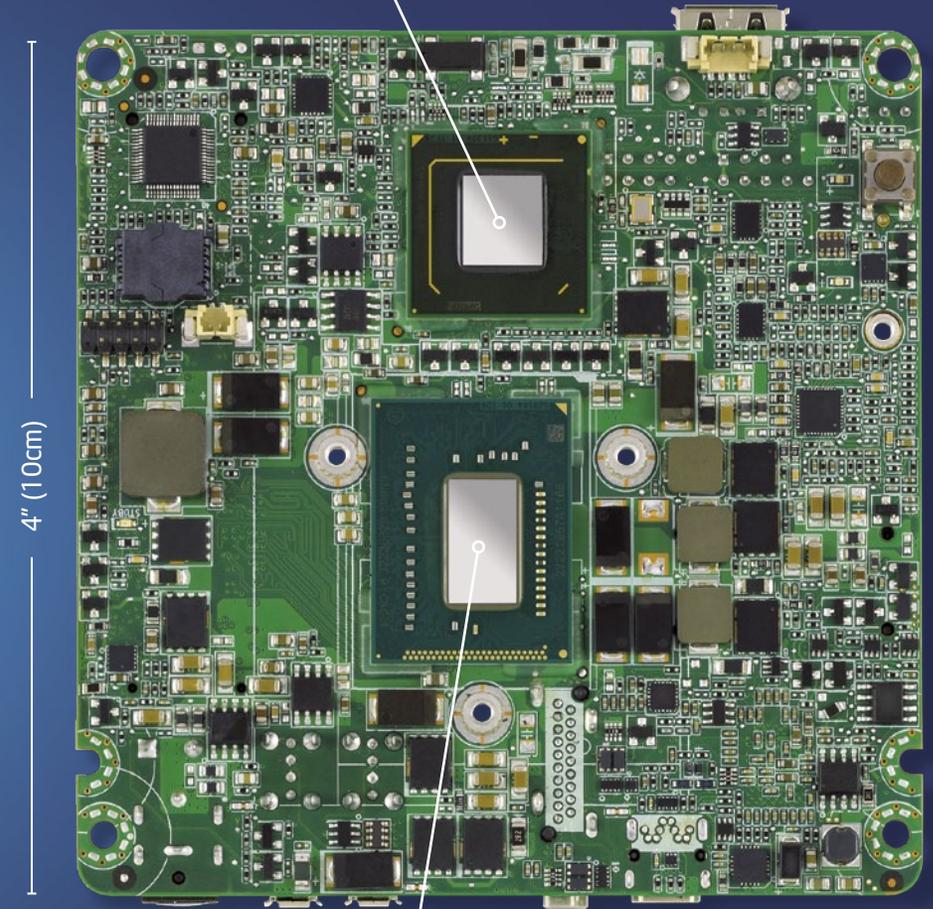
Dual Mini PCIe slots for expandability

Front Panel USB 2.0 Port



Dual SO-DIMM sockets for memory expandability upto 16 GB

Intel® QS77 Express chipset



Intel® Core™ i3-3217U processor



# Intel® Next Unit of Computing Kit DC3217BY

## Technical Specifications



### PROCESSOR

#### Processor Support

- Intel® Core™ i3 3217U Processor (1.8 GHz, Dual Core processor with 3 MB smart cache)
- Supports Intel® 64 architecture<sup>3</sup>

### CHIPSET

- Intel® Q577 Express Chipset

### GRAPHICS

- Intel® HD Graphics 4000
- HDMI Port supporting HDMI 1.4a standard
- Thunderbolt port supporting display port capability

### PERIPHERAL CONNECTIVITY

- Three Hi-Speed USB 2.0 ports (two back panel ports and one front panel port)

### EXPANSION CAPABILITIES<sup>2</sup>

- 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 MEMORY<sup>1</sup>

- **Memory Capacity**
  - Dual-channel DDR3 with two connectors for 1600/1333/1066 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

### THUNDERBOLT CONNECTOR

- 10 Gb/s bi-directional and dual protocol for data and display

### AUDIO

- Intel® High Definition Audio (Intel HD Audio) via one HDMI 1.4a output and/or via one ThunderBolt connector (DisplayPort 1.1a) supporting 8-channel (7.1) digital audio

### INDICATORS AND CONTROLS

- HDD LED, Power LED
- Power on/off

### MECHANICAL

- **Chassis Size**
  - 4.59"×4.41"×1.55" (116.6mm×112.0mm×39.0mm)
- **Board Size**
  - 4"×4" (101.6mm×101.6mm)
- **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
- NOM-019-SCFI-1998
- GOST-R

#### 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

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

Requires an Intel® WiDi enabled system and Intel WiDi enabled receiver device. 1080p and Blu-ray\* or other protected content playback only available on 2<sup>nd</sup> or 3<sup>rd</sup> gen Intel® Core™ processor-based PCs with built-in visuals enabled, a compatible receiver device and media player, and supporting Intel WiDi software and graphics driver installed. Consult your PC manufacturer. For more information, see [www.intel.com/go/widi](http://www.intel.com/go/widi).

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