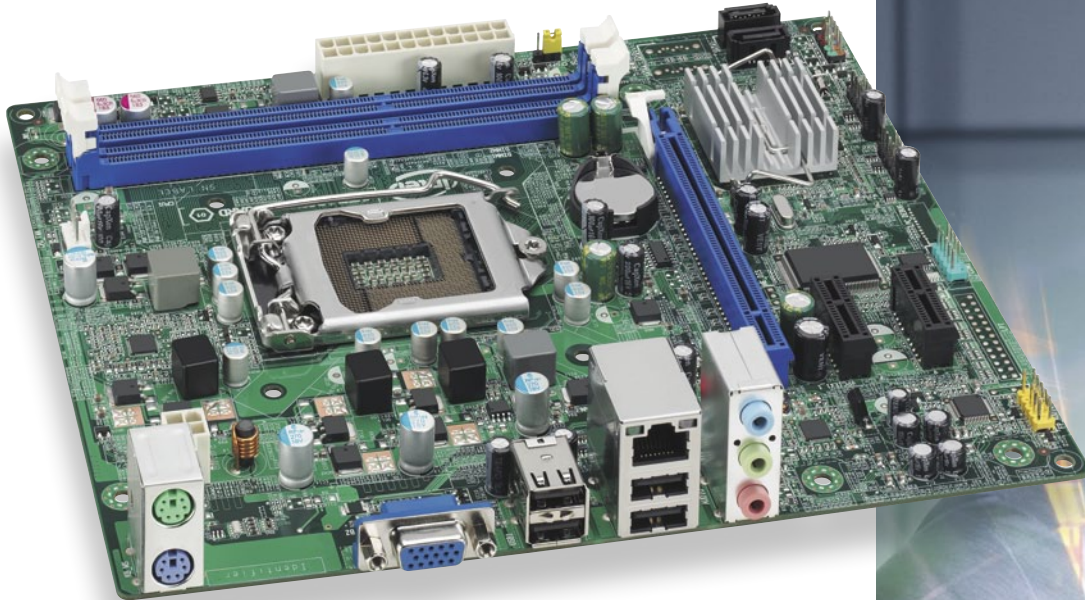


# Classic Series



## Intel® Desktop Board **DH61H0** Classic Series MicroATX Form Factor



PRODUCT BRIEF



# Intel® Desktop Board DH61HO

## Classic Series

### Supports the 2<sup>nd</sup> and 3<sup>rd</sup>-generation Intel® core™ processors in the LGA1155 package

The Intel® Desktop Board DH61HO is based on the Intel® H61 Express Chipset and supports 2<sup>nd</sup> and 3<sup>rd</sup> generation Intel® Core™ processors, including the Intel® Core™ i7 and Intel® Core™ i5 processors and other Intel® processors in the LGA1155 package at a maximum 65W TDP. The 2<sup>nd</sup> Generation Intel core processors feature optimized Intel® Turbo Boost Technology<sup>1</sup> and enhanced Intel® Hyper-threading Technology<sup>2</sup>, which provide smarter performance and a seamless visual experience.

### Make your PC your favorite spot for work and entertainment.

- Supports DirectX\* 10, which enhances your gaming experience.
- Great network connectivity with integrated 10/100/1000 Network Connection.
- Gain flexibility with the integrated VGA output
- Expandability support with PCI Express ×16, and ×1 connectors
- Rich sound quality of Intel® High Definition Audio2 with 5.1-channel surround sound.

### The boxed Intel® Desktop Board DH61HO solution includes:

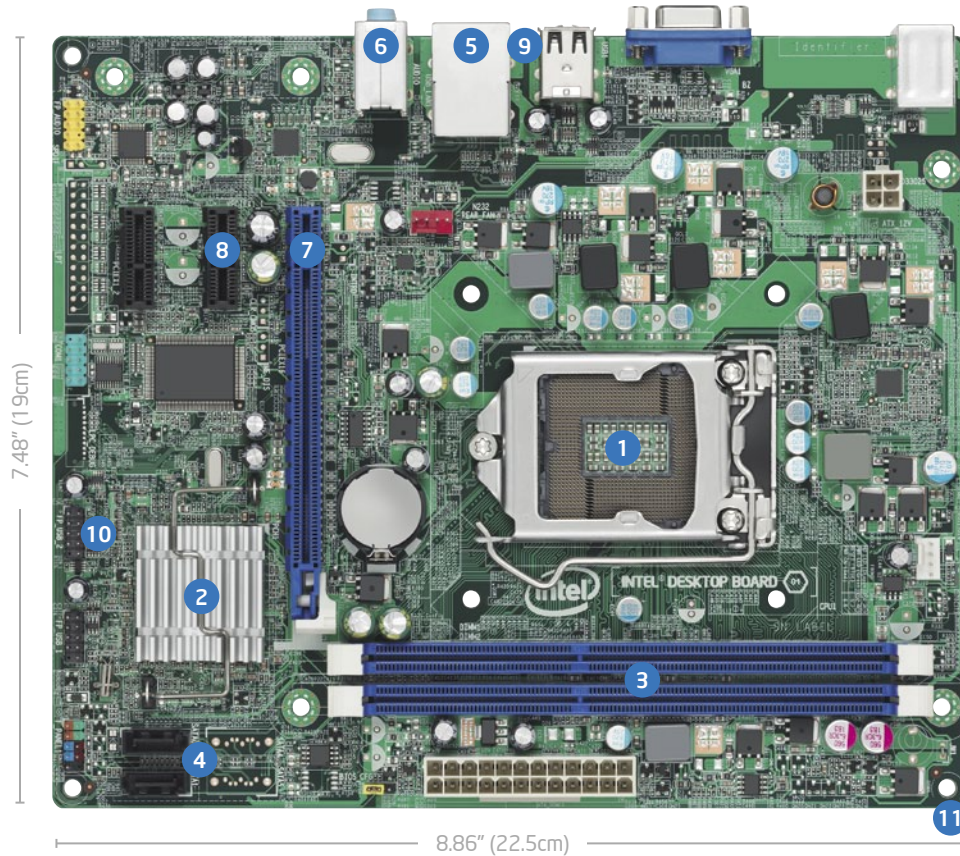
- ATX 2.2 compliant I/O shield
- SATA cable
- Board and back panel I/O layout stickers
- Intel® Express Installer driver and software DVD



| Capability   | Software included   |
|--------------|---|
| Utilities    | <ul style="list-style-type: none"><li>▪ Intel® Core Utilities Bundle<sup>3</sup></li><li>▪ Intel® Desktop Utilities</li></ul> |
| Productivity | <ul style="list-style-type: none"><li>▪ Laplink* PCmover* Express</li></ul>   |
| Antivirus    | <ul style="list-style-type: none"><li>▪ Eset Smart Security 4 (1 year license)*</li></ul>                                     |

# Intel® Desktop Board DH61HO

## Features and Benefits



## Classic Series

- 1 Supports the 2<sup>nd</sup> and 3<sup>rd</sup>-generation Intel® Core™ processors, including the Intel® core™ i7, the Intel® Core™ i5 processors and other Intel® processors in the LGA1155 package at a maximum 65W TDP for exceptional performance
- 2 Intel® H61 Express Chipset PCH
- 3 Dual-Channel DDR3 with two connectors for 1333<sup>4</sup>/1066/800 MHz memory support (16 GB<sup>5</sup> max)
- 4 Two SATA ports (3.0 Gb/s): Facilitate high-speed storage and data transfers at up to 3.0 Gb/s for each of four two ports
- 5 Integrated 10/100/1000 Network Connection
- 6 Six-channel Intel® High Definition Audio<sup>6</sup>: Audio subsystem with three analog audio outputs (5.1 + 2 independent multi-streaming)
- 7 PCI Express\* 3.0 ×16 graphics connector: Delivers up to 8 GB/s bandwidth when used with a compatible processor
- 8 Two PCI Express\* ×1 connectors
- 9 10 Eight USB 2.0 ports: Four back panel ports and four additional ports via internal headers
- 11 MicroATX form factor (8.86" × 7.48")

# Intel® Desktop Board DH61HO

## Technical Specifications



## Classic Series

### PROCESSOR Processor Support

- Intel® Core™ i7 and Intel® Core™ i5 2<sup>nd</sup> and 3<sup>rd</sup> generation processors and other Intel® processors in the LGA1155 package at maximum 65W TDP
- Supports Intel® 64 architecture<sup>7</sup>

### CHIPSET Intel® H61 Express Chipset

- Intel® 82H61 Platform Controller Hub (PCH)

### PERIPHERAL CONNECTIVITY

- Two SATA (3.0 Gb/s) ports
- Integrated 10/100/1000 Network Connection
- Eight Hi-Speed USB 2.0 ports (four back panel ports and four additional ports via internal headers)

### SYSTEM BIOS

- 32 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

### SYSTEM MEMORY

#### Memory Capacity

- Two 240-pin DIMM connectors supporting up to two double-sided DIMMs (16 GB<sup>5</sup> max)

#### Memory Types

- DDR3 1333<sup>4</sup>/1066/800 SDRAM memory support
- Non-ECC Memory

### Memory Modes

- Dual- or single-channel operation support

### 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

### EXPANSION CAPABILITIES

- Two PCI Express\* ×1 bus add-in card connectors
- One PCI Express 3.0 ×16 graphics connector

### HEADERS

- One serial port header

### AUDIO

- Six-channel Intel® High Definition Audio<sup>6</sup> codec

### JUMPERS AND FRONT-PANEL CONNECTORS Jumpers

- Single configuration jumper design
- Jumper access for BIOS maintenance mode

### Front-Panel Connectors

- Reset, HDD LED, Power LEDs, power on/off
- Front-panel Hi-Speed USB 2.0 headers
- Front-panel audio header

### MECHANICAL

#### Board Style

- MicroATX 2.2-compliant

#### Board Size

- 8.86" × 7.48" (22.5 cm × 19 cm)

#### Baseboard Power Requirements

- ATX 12V

### ENVIRONMENT

#### Operating Temperature

- 0°C to +55°C

#### Storage Temperature

- -20°C to +70°C

### REGULATIONS AND SAFETY STANDARDS

#### United States and Canada

CSA/UL 60950-1, First Edition (Binational Standard)

#### Europe

(Low Voltage Directive 2006/95/EC)

EN 60950-1

#### International

IEC 60950-1

### EMC REGULATIONS (tested in representative chassis)

#### United States

FCC 47 CFR Part 15, Subpart B

#### Canada

ICES-003 Class B

#### Europe

(EMC Directive 2004/108/EC)

EN 55022 and EN 55024

#### Australia/New Zealand

EN 55022 Class B

#### Japan

VCCI V-3, V-4 Class B

#### South Korea

KN-22 and KN-24

#### Taiwan

CNS 13438 Class B

#### International

CISPR 22 Class B

### ENVIRONMENTAL COMPLIANCE

#### Europe

Europe RoHS (Directive 2002/95/EC)

#### China

China RoHS (MII Order # 39)

1. Intel® Turbo Boost Technology – maximum single-core turbo frequency (GHz). Intel Turbo Boost Technology requires a PC with a processor with Intel Turbo boost Technology capability. Intel Turbo Boost Technology performance varies depending on hardware, software, and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. See [www.intel.com/technology/tuboboost](http://www.intel.com/technology/tuboboost) for more information.

2. Intel® Hyper-Threading Technology requires a computer system with a processor supporting HT Technology and an HT Technology-enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. See [www.intel.com/info/hyperthreading](http://www.intel.com/info/hyperthreading) for more information.

3. The Intel® Core Utilities bundle includes Intel® Integrator Assistant, Intel® Integrator Toolkit, Intel® Express Installer and Intel® Express Bios Update.

4. 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 warranty, 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.

5. 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.

6. Intel® High Definition Audio requires a system with an appropriate Intel® chipset and a motherboard with an appropriate codec and the necessary drivers installed. System sound quality will vary depending on actual implementation, controller, codec, drivers, and speakers. For more information about Intel® HD Audio, refer to [www.intel.com/design/chipsets/hdaudio.htm](http://www.intel.com/design/chipsets/hdaudio.htm).

7. 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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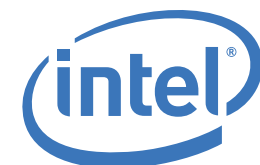
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