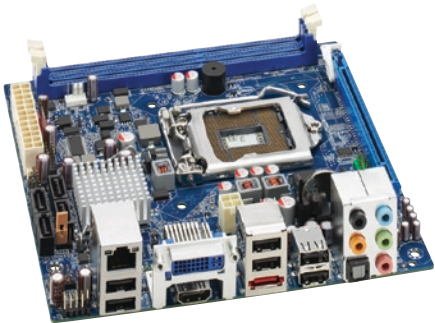


Mini-ITX Form Factor

Intel® Desktop Board DH57JG Media Series



Don't sacrifice performance with a small system! The tiny Intel® Desktop Board DH57JG fits into the space-saving mini-ITX chassis, allowing you to experience great computing with the latest Intel® processors.

Intel® Desktop Board DH57JG

- Supports the Intel® Core™ i5¹, Intel® Core™ i3, and Intel® Pentium® processors in the LGA1156 package.
- Features the Intel® H57 Express Chipset.
- Dual independent display-capable with HDMI*² and DVI-I graphics ports.
- Mini-ITX form factor.

Think Big. Go Small.

Designed in the mini-ITX form factor, a system built with the Intel Desktop Board DH57JG will fit anywhere in your home.

This small board supports the latest Intel® Core™ i5 processors that take computing to the next level in creating and sharing high-definition content.

Home Entertainment Fulfilled

The Intel Desktop Board DH57JG provides an unprecedented low-noise, low-heat home entertainment experience. This compact design has an integrated HDMI port for 1080p output support and ten-channel Intel® High Definition Audio³ with Dolby* Home Theater.

With multiple expandability options including one eSATA port, twelve USB ports, and four onboard SATA ports supporting Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10, the Intel Desktop Board DH57JG is ready for your ever-increasing media library while protecting your data.

Eco-Smart Computing

- When the Intel H57 Express Chipset is paired with an Intel Core i5 processor, the Intel Desktop Board DH57JG runs applications with amazing responsiveness while lowering energy usage costs⁴.
- The Intel Desktop Board DH57JG meets the ENERGY STAR* and ErP specifications and is RoHS-compliant.





Intel® Desktop Board DH57JG Media Series

The boxed Intel® Desktop Board DH57JG solution includes:

- ATX 2.2 compliant I/O shield
- SATA cables
- Board and back panel I/O layout stickers
- Quick reference and product guides
- Intel® Express Installer driver and software DVD
- Microsoft* Windows* 7 and Windows Vista* Premium WHQL certified

Software included:

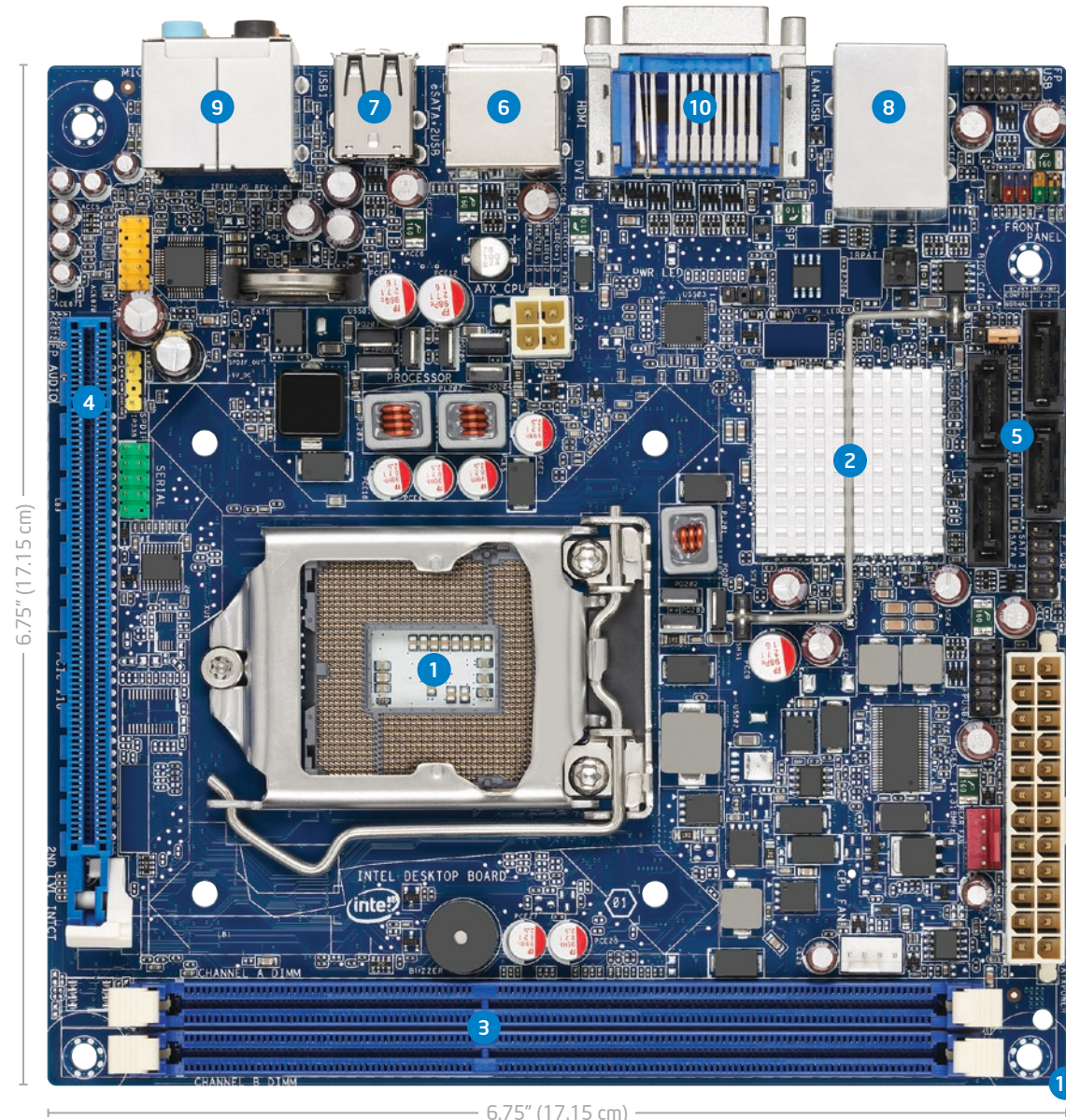
- Intel® Desktop Utilities
- Intel® Integrator Assistant
- DivX* Pro for Windows*
- Dolby* Control Center
- ESET* Smart Security (45-day license)
- Laplink* PCmover* Express

Intel® Desktop Board DH57JG Media Series

Features and Benefits



- 1 Supports the Intel® Core™ i5¹, Intel® Core™ i3, and Intel® Pentium® processors in the LGA1156 package: Select processors feature Intel® Turbo Boost Technology⁵ and Intel® Hyper-Threading Technology⁶ for exceptional performance and scalability
- 2 Intel® H57 Express Chipset
- 3 Dual-channel DDR3 with two connectors for 1333 / 1066 MHz memory support (8 GB⁷ max)
- 4 PCI Express* 2.0 x16 graphics connector
- 5 Four SATA ports (3.0 Gb/s): Support Intel® Rapid Storage Technology for RAID 0, 1, 5, and 10
- 6 One eSATA port (3.0 Gb/s)
- 7 Twelve Hi-Speed USB 2.0 ports: Six back panel ports and six additional ports via three internal headers
- 8 Integrated Intel® PRO 10/100/1000 Network Connection
- 9 Ten-channel Intel® High Definition Audio³ with Dolby* Home Theater
- 10 Dual independent display with HDMI*² + DVI-I graphics ports
- 11 Mini-ITX form factor



Intel® Desktop Board DH57JG Media Series

Technical Specifications

PROCESSOR

Processor Support

- Intel® Core™ i5¹, Intel® Core™ i3, and Intel® Pentium® processors in the LGA1156 package
- Supports Intel® 64 architecture⁸

CHIPSET

Intel® H57 Express Chipset

- Intel® 82H57 Platform Controller Hub (PCH)
- Four SATA ports
- One eSATA port
- Six USB ports accessible via back panel
- Six additional USB ports via internal headers

System BIOS

- 64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play, IDE drive auto-configure
- Advanced configuration and power interface V3.0b, DMI 2.5
- Intel® Express BIOS Update support

SYSTEM MEMORY

Memory Capacity

- Two 240-pin DIMM connectors supporting up to four double-sided DIMMs

Memory Types

- DDR3 1333 / 1066 SDRAM memory support
- Non-ECC Memory

Memory Modes

- Dual- or single-channel operation support

Memory Voltage

- 1.2 V to 1.7 V

Hardware Management Features

- Processor fan speed monitor and control
- System chassis fan speed monitor and control
- Voltage and temperature sensing

Intel® PRO 10/100/1000 Network Connection

- New low-power design meets ENERGY STAR* 5.0 specifications

Expansion Capabilities

- One PCI Express* 2.0 x16 graphics connector

Audio

- 10-channel Intel® High Definition Audio³ codec
 - 8-channel via back panel
 - 2-channel via front panel
- 8-channel lossless audio via onboard HDMI*² port
- One S/PDIF optical output on back panel
- One internal header for S/PDIF output for HDMI support

JUMPERS AND FRONT-PANEL CONNECTORS

Jumpers

- Jumper access for BIOS maintenance mode

Front-Panel Connectors

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

MECHANICAL

Board Style

- MicroATX 2.2-compliant

Board Size

- 6.75" x 6.75" (17.15 cm x 17.15 cm)

Baseboard Power Requirements

- ATX 12 V

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 60950-1:2006

International

- IEC 60950-1:2001, First Edition

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 55022:2006 and EN 55024:1998

Australia / New Zealand

- EN 55022:2006 Class B

Japan

- VCCI V-3 / 04.04, V-4 / 03.04, Class B

South Korea

- KN-22:2005 and KN-24:2005

Taiwan

- CNS 13438:2006 Class B

International

- CISPR 22:2005 +A1:2005 +A2:2006 Class B

Environmental Compliance

Europe

- Europe RoHS (Directive 2002 / 95 / EC)

China

- China RoHS (MII Order # 39)



Lead-Free: The symbol is used to identify electrical and electronic assemblies and components in which the lead (Pb) concentration level in any of the raw materials and the end product is not greater than 0.1% by weight (1000 ppm). This symbol is also used to indicate conformance to lead-free requirements and definitions adopted under the European Union's Restriction on Hazardous Substances (RoHS) directive, 2002 / 95 / EC.

¹ Supports the Intel® Core™ i5-6xx series processors only. For specific processor compatibility, visit <http://processormatch.intel.com>.

² Requires the use of a processor with Intel® HD Graphics.

³ 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.

⁴ For Intel eco-smart technologies, visit www.intel.com/go/ecosmart.

⁵ 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/turboboost for more information.

⁶ 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. For more information including details on which processors support HT Technology, see www.intel.com/info/hyperthreading.

⁷ 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.

⁸ 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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