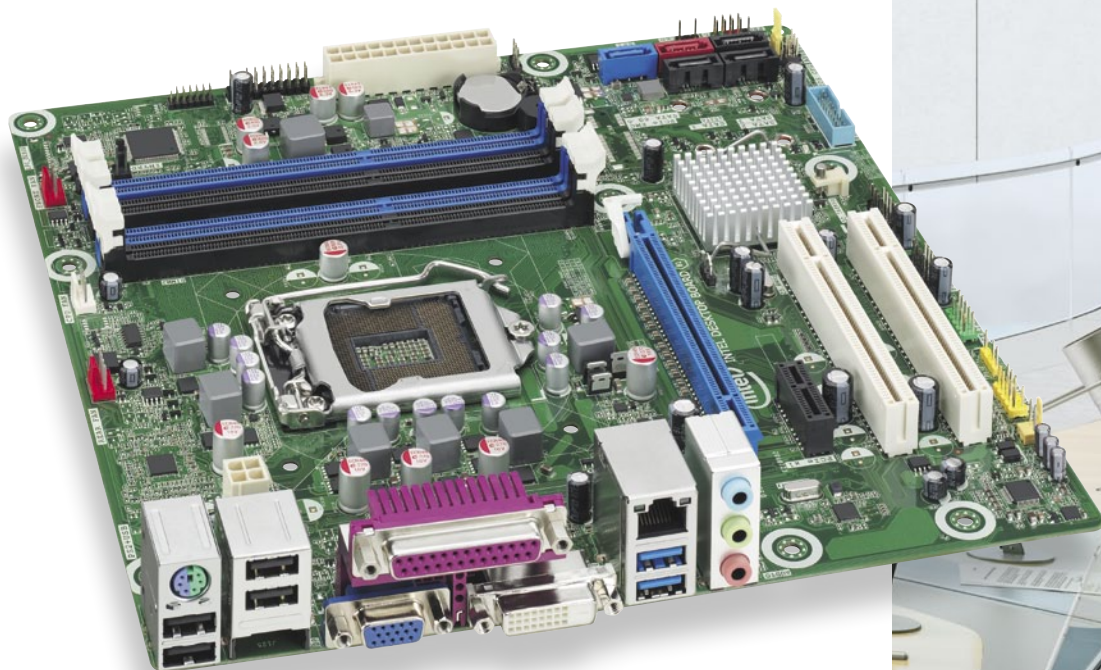


Intel® Desktop Board DB75EN

Executive Series MicroATX Form Factor



PRODUCT BRIEF

Executive Series



Intel® Desktop Board DB75EN



Executive Series

Built for Business:

Intel® Desktop Board DB75EN maximizes employee productivity, PC performance, and data security with Intel® Small Business Advantage¹. With five onboard SATA ports including one SATA 6.0 Gb/s port and multiple legacy connectivity options, including a parallel port, PS/2 port, the Intel® Desktop Board DB75EN delivers remarkable expansion possibilities for both legacy and the latest peripherals. Intel® Desktop Board DB75EN supports up to 32 GB² DDR3 1333/1066 MHz memory using 4 DIMMs and has VGA[®] and DVI-D[®] graphics output with dual display capability.

Supports the 2nd and 3rd Generation Intel® Core™ Processors in the LGA 1155 package

The Intel® Desktop Board DB75EN is based on the Intel® B75 Express Chipset and supports 2nd and 3rd generation Intel® Core™ Processors in the LGA 1155 package. The visibly smart Intel Core processor family provides amazing performance and stunning visuals with smart features, so the PC adapts to your needs.^{3, 4} The combination of performance and hardware-based protection makes Intel Core processor-based PCs the ideal choice for your small business.

Make your PC your favorite spot for work:

- VGA and DVI-D graphics output with dual display capability
- Great network connectivity with integrated 10/100/1000 network connection.
- Rich sound quality of Intel® High Definition Audio³ with 5.1-channel surround sound
- Certified with the following operating systems: Windows*7, openSUSE*, and RedHat* Linux*.

INTEL® SMALL BUSINESS ADVANTAGE¹

– The Right Solution for Any Small Business

Intel® Small Business Advantage¹ comes with built-in IT support.⁵ Once configured, this state-of-the-art technology continually monitors your security software and alerts you if it's been compromised by viruses or malware.⁶ It will automatically back-up your company's data and manage routine maintenance tasks like running software updates, defragging disk drives and deleting cookies and temporary internet files after hours, so your employees won't be interrupted.^{6, 7}

The boxed Intel® Desktop Board DB75EN solution includes:

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



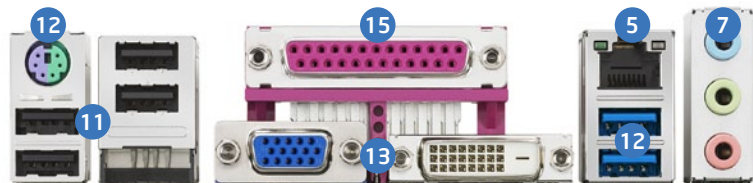
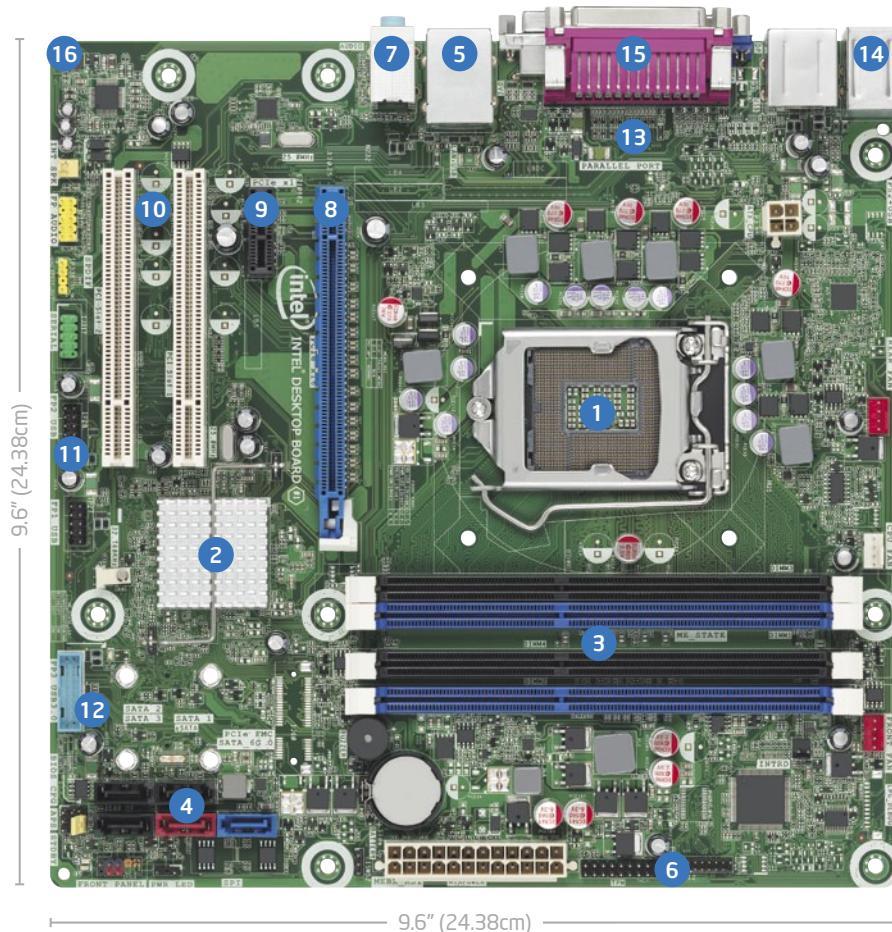
VALUE-ADDED SOFTWARE

Check out the vast range of software and special offers

Security	Protect against antivirus threats with industry-leading solutions from McAfee* (60-day license) and ESET* Smart Security
Business and Office	Enhance your PC performance with Intel® Small Business Advantage, Splashtop* Remote Desktop, and Laplink PCmover*
Utilities	Monitor PC health with Intel® Desktop Utilities

Intel® Desktop Board DB75EN

Features and Benefits



Executive Series

- 1 Supports the 3rd-generation Intel® core™ processors, including the Intel® core™ i7, the Intel® core™ i5 processors and other Intel® processors in the LGA1155 package for exceptional performance
- 2 Intel® B75 Express chipset PCH
- 3 Dual-channel DDR3 with four connectors for 1600/1333 MHz memory support (32 Gb⁶ max): Supports 1.2 V to 1.8 V memory voltage control for maximum DIMM compatibility
- 4 Five SATA ports: Facilitate high-speed storage and data transfers with one 6.0 Gb/s port and four 3.0 Gb/s ports
- 5 Integrated 10/100/1000 Network connection
- 6 TPM Header: Improve platform security with an optional TPM module
- 7 Six-channel Intel® High Definition Audio³: Audio subsystem with three analog audio outputs (5.1+ 2 independent multi-streaming)
- 8 PCI Express® 3.0 ×16 graphics connector: Delivers up to 8 GT/s bandwidth
- 9 One PCI Express® ×1 connector
- 10 Two PCI connectors
- 11 Eight USB 2.0 ports: Four back panel ports and four additional ports via internal headers
- 12 Four USB 3.0 ports: Two back panel ports and two additional ports via internal headers
- 13 VGA and DVI-I: Dual independent display capability for multiple display support
- 14 PS/2: Supports keyboard or mouse
- 15 Parallel: Supports legacy parallel peripherals and security dongles
- 16 MicroATX form factor

Intel® Desktop Board DB75EN

Technical Specifications

Executive Series

PROCESSOR Processor Support

- Intel® Core™ i7 and Intel® Core™ i5 processors and other Intel® processors in the LGA1155 package
- Supports Intel® 64 architecture⁷

CHIPSET Intel® B75 Express Chipset

- Intel® 82B75 Platform Controller Hub (PCH)

PERIPHERAL CONNECTIVITY

- One SATA (6.0 Gb/s) ports
- Four SATA (3.0 Gb/s) ports
- Integrated 10/100/1000 Network Connection
- Eight Hi-Speed USB 2.0 ports (four back panel ports and six additional ports via three internal headers)
- Four Super Speed USB 3.0 ports (two back panel ports and two ports via internal header)
- Parallel Port connectivity

SYSTEM BIOS

- 96 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V3.0b, SMBIOS 2.5
- Intel® Express BIOS update support

SYSTEM MEMORY

Memory Capacity

- Four 240-pin DIMM connectors supporting up to four double-sided DIMMs (32 GB⁶ max)

Memory Types

- DDR3 1600/1333 SDRAM memory support

- Non-ECC Memory

Memory Modes

- Dual- or single-channel operation support

Memory Voltage

- 1.2 V to 1.8 V

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

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

HEADERS

- One serial port header
- S/PDIF audio header
- TPM header

AUDIO

- Eight-channel Intel® High Definition Audio³ 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 Super-Speed USB 3.0 header
 - Front-panel Hi-Speed USB 2.0 headers
 - Front-panel audio header

MECHANICAL Board Style

- MicroATX 2.2-compliant

Board Size

- 9.6" × 9.6" (24.38 cm × 24.38 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

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 Requires Intel® Core™ i3 processor or above.

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 (Turbo) Requires a system with Intel® Turbo Boost Technology. Intel® Turbo Boost Technology and Intel® Turbo Boost Technology 2.0 are only available on select Intel® processors. Consult your PC manufacturer. Performance varies depending on hardware, software and system configuration. For more information, visit <http://www.intel.com/go/turbo>

⁴ (Built-in visuals) Built-in visual features are not enabled on all PCs and optimized software may be required. Check with your system manufacturer. Learn more at <http://www.intel.com/go/biv>

⁵ Requires an Intel® Small Business Advantage¹ enabled system and proper configuration. Availability of features will depend upon the setup and configuration by your PC manufacturer. Consult your system manufacturer.

⁶ (SBA/Security/After-hours) Requires an Intel® Small Business Advantage¹ enabled system and a third-party security application pre-configured by your PC manufacturer. Certain maintenance tasks require internet access. For after-hours feature to work, the PC must be connected to AC power.

⁷ (SBA/Data Backup) Requires an Intel® Small Business Advantage¹ enabled system and proper configuration. Data Backup & Restore may be replaced by your PC manufacturer. Consult your system manufacturer.

⁸ Requires a processor with Intel® HD Graphics.

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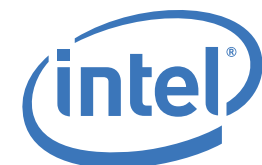
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