The best business solutions combine great hardware and software that help businesses achieve maximum productivity at lower costs. The Intel® Desktop Board DB43LD brings all of these things in an easy-to-integrate and energy-efficient package.

**Intel® Desktop Board DB43LD**
- Supports the latest 45nm Intel® Core™2 Quad and Intel® Core™2 Duo processors
- Features the Intel® B43 Express Chipset
- Windows Vista* Premium capable

The Intel® Desktop Board DB43LD is upgrade-ready in select geographies. Please visit [www.intel.com/go/upgradesreseller](http://www.intel.com/go/upgradesreseller) for more information about Intel® Upgrade Service availability¹ including which geographies are part of the service.

**Energy-efficient performance**
Run applications with amazing responsiveness while reducing energy use and system noise. Pair the new 45nm processors and Intel B43 Express Chipset for increased performance in a more energy-efficient platform.

**Unique software bundles**
The Laplink® PCmover® award-winning bundle allows for easy migration of programs, files, and settings from your old PC to your new PC. Additional software helps increase the productivity and security of your business without impacting your bottom line.

For a complete list of solutions and opportunities, visit:
- [www.intel.com/go/upgradesreseller](http://www.intel.com/go/upgradesreseller)
- [www.intel.com/go/idb](http://www.intel.com/go/idb)
Intel® Desktop Board DB43LD

**The boxed Intel® Desktop Board DB43LD 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 Vista® Premium WHQL certified

Intel® Desktop Boards Executive Series include an extensive list of software that supports and enhances capabilities for the digital office.

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Features and Benefits
Intel® Desktop Board DB43LD

1 Support for the latest 45nm Intel® Core™2 Quad and Intel® Core™2 Duo processors: Features quad-core and dual-core processing with 1333 / 1066 / 800 MHz system bus in the LGA775 package.

2 Intel® B43 Express Chipset: Offers a new level of visual quality with integrated Intel® Graphics Media Accelerator X4500, DirectX® 10, and an option to upgrade in select markets (see www.intel.com/go/upgradesreseller).

3 Dual-Channel DDR2 800 / 667 memory support: Two DIMM sockets designed to support up to 8 GB of DDR2 800 / 667 SDRAM memory, delivering greater platform performance and flexible memory support.

4 PCI Express* 2.0 x 16 graphics connector: Increases graphics bandwidth and provides up to 8 Gb/s per direction.

5 Six onboard SATA ports including one internal eSATA (3.0 Gb/s) port: Facilitates high-speed storage and data transfers at up to 3.0 Gb/s for each of six ports.

6 Intel® 82567LM ENERGY STAR*-ready 10/100/1000 network connection

7 Two PCI connectors: Provide expansion slots for custom system configurations and future add-in card upgrades.

8 PCI Express* x1 connector: Designed for bandwidth-intensive applications, PCI Express* x1 I/O offers up to 3.5 times the bandwidth over traditional PCI architecture.

9 Back panel connectors: Includes one parallel port connector and two PS/2 connectors.

10 Up to ten Hi-Speed USB 2.0 ports: Provides four back panel ports and an additional six USB ports via three internal headers.

11 Dual-independent display with DVI and VGA graphics output

12 MicroATX form factor
Technical Specifications

Processor Support
- Intel® Core™2 Quad and Intel® Core™2 Duo processors in the LGA775 package
- Supports Intel® 64 Architecture

Chipset
- Intel® B43 Express Chipset
  - Intel® 82B43 Graphics and Memory Controller Hub (GMCH)
  - Intel® 82BD0 I/O Controller Hub (ICH10D)
  - Intel® Upgrade Service ready in select geographies (www.intel.com/go/upgradesreseller)

Graphics Memory Controller Hub (GMCH)
- Designed to support up to 8 GB of system memory using DDR2 800 / 667 SDRAM memory
- Intel® Fast Memory Access
- Intel® Graphics Media Accelerator X4500 with DirectX® 10

Audio
- One PCI Express® x16 graphics connector
- One PCI Express® x1 add-in card connector
- Two PCI bus add-in card connectors

Communication Capabilities
- Four back-panel ports (two dual-stack)
- Two back-panel PS/2 connectors
- One serial header

Expansion Capabilities
- Two PCI bus add-in card connectors
- One PCI Express® x1 add-in card connector
- One PCI Express® x16 graphics connector

System BIOS
- 32 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V1.0b, DMI 2.0, multilingual support

Intel® Rapid BIOS Boot
- Intel® Rapid BIOS Boot
- Intel® Express BIOS Update support

System Memory
- Memory Capacity: Two 240-pin DIMM connectors supporting up to two double-sided DIMMs
- Memory Type: DDR2 800 / 667 SDRAM memory support
- Non-ECC Memory

Memory Modes
- Dual- or single-channel operation support
- Memory Voltage: 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
- Power management support for ACPI 1.0b

Intel® 82567LM ENERGY STAR®-ready

Other Connectors
- One back-panel parallel port connector
- Two back-panel PS/2 connectors
- One serial header

Mechanical
- Board Style: MicroATX 2.2 compliant

Board Size
- 9.6” x 9.6” (24.38cm x 24.38cm)

Environment
- Operating Temperature: 0° C to +35° C
- Storage Temperature: -20° C to +70° C

Power Management Support
- ACPI 1.0b

Regulations and Safety Standards
- Canada: ICES-003, Issue-004 Class B
- Australia/New Zealand: EN 55022:2006 Class B
- Japan: VCCI V-3/04.04, V-4/03.04, Class B
- Taiwan: CNS 13438:2006 Class B
- China: RoHS (MII Order # 39)

Lead-Free: The symbol is used to identify electronic and electrical assemblies and components in which the lead (Pb) concentration level in any 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.

Ordering Information: See the Intel® Desktop Board at www.intel.com. For the most current product information, visit www.intel.com/products/desktop/motherboard/

1 Use of Intel® Upgrade Service will support required Intel® processor.
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.

Desktop PCs with Intel® Standard Manageability and Intel® 64 architecture require a computer system with a processor, chipset, BIOS, enabling software and/or operating system, device drivers, and applications designed for these features. Performance will vary depending on your configuration.

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