



Higher Performance. Increased Expandability. Improved Audio Visual Experience.

Introducing Intel® Desktop Boards DP35DP and DG33TL Media Series with support for Intel® Core™2 Quad processors and new Intel® Core™2 Duo processors with faster 1333 MHz system bus.

Immerse yourself in the world of endless digital entertainment.

Implement the power of today's digital entertainment with the Intel® Desktop Boards DP35DP and DG33TL Media Series. These desktop boards merge the power of the Intel® Core™2 Quad and Intel® Core™2 Duo processors with new multimedia technology. The new desktop boards include Dolby® Home Theater, which enables high-quality audio that rivals the performance of high-end discrete solutions; Intel® Clear Video Technology that gives you a high-definition video experience, as well as Consumer IR that supports receiving, learning, and emitting capabilities, and controls up to two additional CE devices with your PC.

Through collaboration with leading software developers, Intel® Desktop Board Media Series includes an extensive list of software that facilitates access to video, music, and images. Intel Desktop Boards DP35DP and DG33TL include DivX® for Windows®, Dolby® Control Center, Norton Antivirus®, Skype®, TypePad®, and more. Music enthusiasts, movie fans, gamers, and multimedia creators will be thrilled with the performance, expandability, and enhanced audio/visual capabilities of the Intel Desktop DP35DP and DG33TL Media Series boards.



Intel® Desktop Boards DP35DP and DG33TL



Features and Benefits

- The Intel® Desktop Boards DP35DP and DG33TL support Intel Core™2 Quad processors with quad-core processing with 1066 MHz system bus and Intel® Core™2 Duo processors with 1333 / 1066 / 800 MHz system bus in the LGA775 package with 105W Thermal Design Power. Both boards support Intel® Viiv™ processor technology, allowing users to control and personalize their digital entertainment experience.
- The Intel® P35 and G33 Express Chipsets offer a new level of performance with Intel® Fast Memory Access and expandability with ICH9R.
- Enhanced high definition video playback, sharper images, precise color control, and advanced display capability with Integrated Graphics Media Accelerator 3100 with Intel® Clear Video Technology.
- Dolby® Home Theater, 8 Channel High Definition Audio enables high quality integrated audio. The new Dolby® Control Center Software is an easy-to-use home theater configuration tool that enables an enhanced audio experience.
- Memory support includes four DIMM sockets designed to support up to 8 GB¹ of 1.8V DDR2 800/667 memory.
- Expansion Slots: (DP35DP/DG33TL) L2 IEEE 1394a ports, 12 USB 2.0 ports, 3 PCI Express* x1 expansion slots (DG33TL has 2), 3 PCI expansion slots (DG33TL has 1), 1 Parallel ATA port, legacy I/O serial port via header.
- Intel® Quiet System technology enables advanced fan speed control to help keep the system cool and to reduce noise levels. Intel® Desktop Utilities² software monitors system temperatures and performance.
- Form Factors: ATX board (DP35DP) allows fully featured tower designs, while space-conserving MicroATX (DG33TL) allows for a smaller footprint.
- System BIOS 8 Mb Flash with Intel® Platform Innovation framework for extensible firmware interface, configuration and power interface V1.0b, DMI 2.0, multilingual support, Intel® Rapid BIOS Boot, optimized POST for fast access to PC from power-on.
- Microsoft Windows Vista* Premium WHQL Certification: experience all of the new Windows Aero* features and qualify for the Windows Vista premium logo.

Intel® Desktop Boards DP35DP and DG33TL

1 Support for the Intel® Core™2 Quad and Intel® Core™2 Duo processors:

Features quad-core processing with 1066 MHz system bus and dual-core processing with 1333 / 1066 / 800 MHz system bus in the LGA775 package.

2 Intel® P35 Express Chipset (DP35DP) or Intel® G33 Express Chipset (DG33TL)

3 Intel® High Definition Audio:

7.1 surround sound with Dolby® Home Theater, 5 stack audio ports (with optical S/PDIF output).

4 Intel® Graphics Media Accelerator 3100 (Intel® GMA 3100) with Intel® Clear Video Technology (DG33TL only)

5 Consumer infrared receiver and emitter

6 Dual-channel DDR2 800/667

Memory support: Four DIMM sockets, designed to support up to 8 GB¹ of DDR2 800 / 667 SDRAM memory, delivering greater platform performance and flexible memory support.

7 PCI Express* x16 graphics connector:

Increases graphics bandwidth and provides up to 4 GB/s per direction.

8 Six SATA 3.0 Gb/s ports including eSATA port (3 Gb/s):

Facilitates high-speed storage and data transfers at up to 3 Gb/s for each of six ports.

9 Intel® Matrix Storage Technology:

RAID 0, 1, 10, and 5 for higher performance data access and/or data protection.

10 Intel® 82566DC Gigabit Ethernet Controller

11 Three PCI connectors (DP35DP) or One PCI connector (DG33TL):

Provides expansion slots for custom system configurations and future add-in card upgrades.

12 Three PCI Express* x1 connectors (DP35DP) or Two PCI Express* x1 connectors (DG33TL):

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

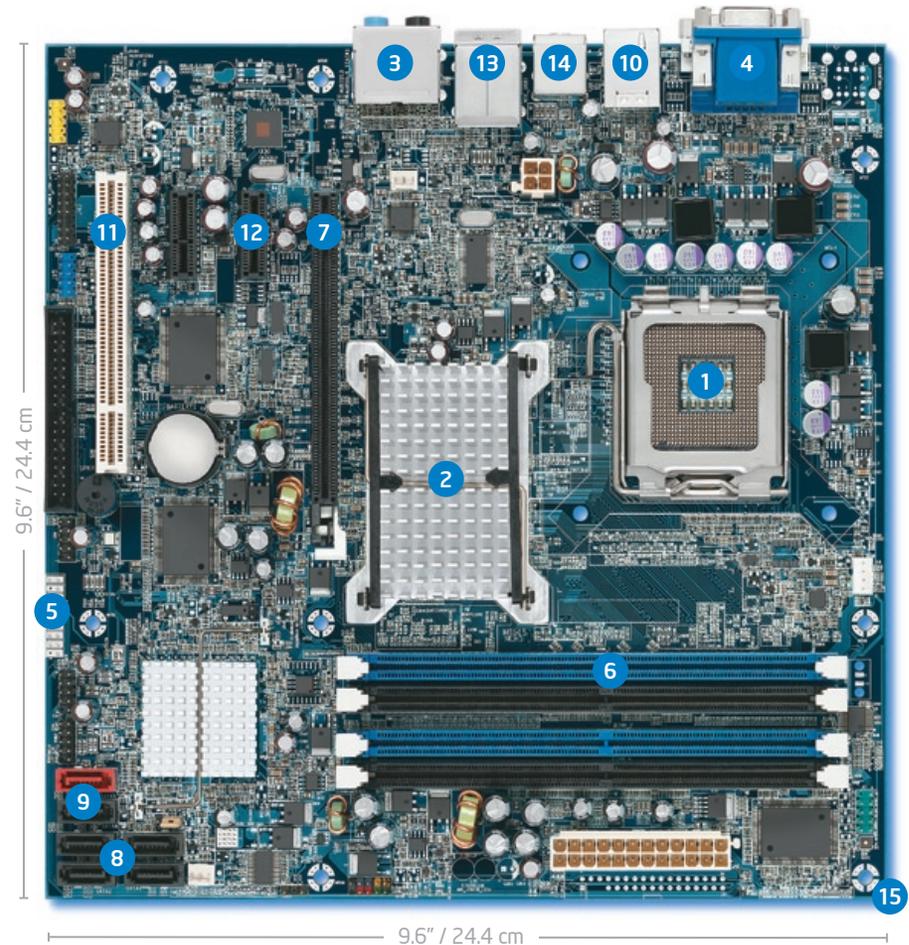
13 Two IEEE 1394a ports:

One external port and one via internal header.

14 Up to 12 Hi-Speed USB 2.0 ports:

Provides six back panel ports and an additional six USB ports via three internal headers.

15 ATX Form Factor (DP35DP) or MicroATX Form Factor (DG33TL)



DG33TL board shown

Software Included with the Intel® Desktop Boards DP35DP and DG33TL

Intel® Desktop Utilities²: Easy-to-use PC monitoring and maintenance to keep your PC in top shape.

Diskeeper® Home Edition: Automatic defragmentation the pros use keeps your system running at top speed.

DivX® for Windows: Everything you need to create, burn, post, email, store, or watch your DivX videos.

Dolby® Control Center: User-friendly interface to control and enhance your Dolby listening experience.

Norton AntiVirus®: Removes viruses automatically, blocks certain Internet worm attacks, and protects email and instant messages.

TypePad® Premier: Blogging service for passionate bloggers and businesses. Connect with the people who mean the most.

Skype®: Allows you to make telephone calls directly from your PC over the Internet for significant cost savings.

Kaspersky® Anti-Virus (Russian only): Fully scalable virus database that supports a wide range of operating systems and applications.

Kingsoft® AntiVirus (Chinese only): A must-have application for China, checks and alerts for viruses.

Kingsoft® Powerword® (Chinese only): Available for Intel® Desktop Board customers in PRC.

Regulations and Safety Standards

United States and Canada

UL 1950, Third edition—CAN/CSA C22.2
No. 950-95 with recognized U.S. and Canadian component marks

Europe

Nemko certified to EN 60950

International

Nemko certified to IEC 60950 (CB report with CB certificate)

EMC regulations (tested in representative chassis)

United States

FCC Part 15, Class B
FCC Part 15, Class B open-chassis (cover off) testing

Canada

ICES-003, Class B

Europe

EMC directive 89/336/EEC; EN 55022:1998 Class B; EN 55024:1998

Australia/New Zealand

AS/NZS 3548, Class B

Taiwan

CNS 13438, Class B

International

CISPR 22:1997, Class B

Power requirements vary. Complies with US CRF via EN55022 +6 db in system configurations with an open chassis and EU Directive 89/336/EEC and use via EN55022 and EN50082-1 in a representative chassis.



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.

Ordering Information: See the Intel Web site at www.intel.com.

For the most current product information and ordering information visit intel.com/go/idb

¹ System resources (such as PCI and PCI Express*) require physical memory address locations that reduce available memory addresses above 7 GB. This may result in less than 8 GB of memory being available to the operating system and applications.

² Intel® Desktop Utilities includes: hardware monitoring, Diskeeper® Lite defragmentation, NTI Backup Now®, StressTest®, and Symantec® Security Check.

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