



ATX Form Factor

Go to Extremes!

Introducing the Intel® Desktop Board DX48BT2 Extreme Series showcasing Intel® Core™2 Extreme Processors

Extreme Performance that is Over the Top!

Just when you thought 1333 MHz was good enough, here comes 1600! Native 1600 MHz front side bus and memory support means powerful performance and extreme overclockability from your processor and motherboard. Intel® Desktop Board DX48BT2 is designed to unleash the power of the Intel® Core™2 Extreme 1600 MHz processor. With support for 1600 MHz FSB, fast DDR3 memory, and overclocking, the Intel Desktop Board DX48BT2 delivers the gaming performance you deserve.

Award Winning Game Included in the Box

The boxed product includes the full version of Tom Clancy's Ghost Recon Advanced Warfighter* 2, an award winning game title optimized to take advantage of all the cores of Intel Core 2 Extreme processors.



Intel® Desktop Board DX48BT2



The boxed Intel® Desktop Board DX48BT2 solution includes:

- Intel® Desktop Board DX48BT2
- ATX 2.2 Compliant I/O Shield
- SATA and ATA 100/66 Cables
- Mounting Bracket for Optional Chipset Cooling Fan (fan not included)
- Board and Back Panel I/O Layout Stickers
- Quick Reference Guide
- Intel® Express Installer Driver and Software DVD
- Windows Vista* Premium WHQL certified

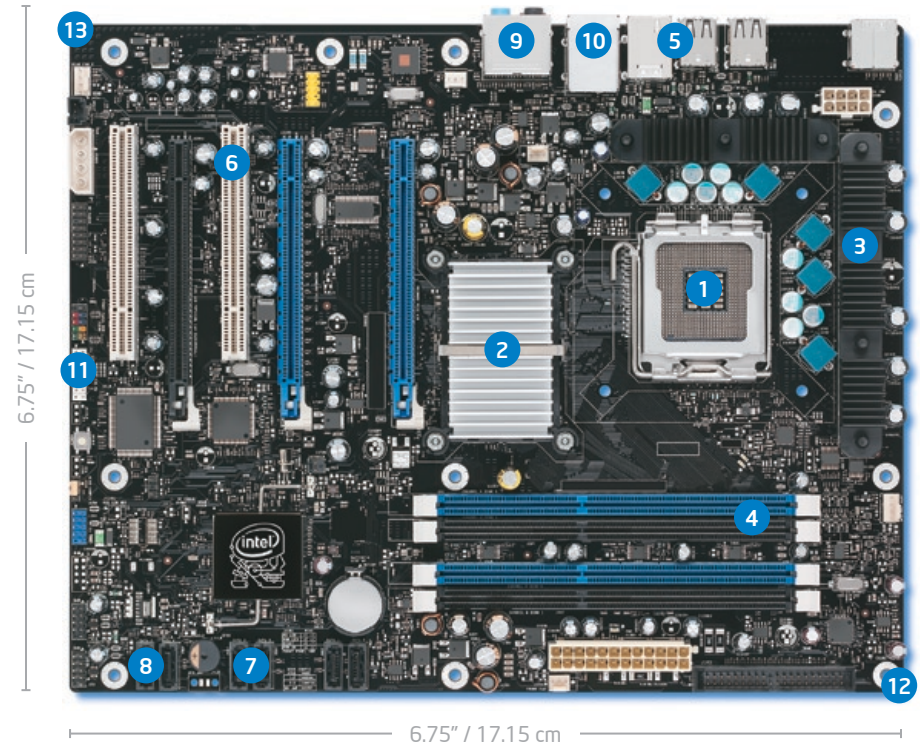
Software included:

- **Full version of Tom Clancy's Ghost Recon Advanced Warfighter* 2**
- **Intel® Desktop Control Center** (Internet Download)
- **Diskeeper* Home Edition:** Automatic defragmentation that the pros use to keep 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
- **Kaspersky* Anti-Virus** (Russian only): A fully scalable virus database that supports a wide range of operating systems and applications
- **Kingsoft* Antivirus** (Chinese only): A must-have application for China that checks and alerts for viruses
- **Kingsoft* Powerword*** (Chinese only): Available for Intel Desktop Board customers in China

Features and Benefits

Intel® Desktop Board DX48BT2

- 1 Support for Intel® Core™2 Extreme processors:** Features quad- or dual-core processing and a faster 1600/1333/1066/800 MHz FSB
- 2 Intel® X48 Express Chipset with ICH9R:** Validated chipset-level overclocking
- 3 New Improved Heatsink Designs:** The MCH and VREG heatsinks have been redesigned to support overclocking
- 4 DDR3 supporting 1600 MHz memory:** Two DIMM sockets designed to support up to 4 GB of DDR3 1600 MHz memory; Four DIMM sockets designed to support up to 8 GB¹ of DDR3 1333/1066/800 MHz memory—all delivering greater performance
- 5 2 IEEE 1394a ports (1 internal, 1 external) and 12 USB 2.0 ports (8 external, 4 internal):** Provide for the most flexible back panel connectivity options
- 6 Dual full-speed PCIe 2.0 slots + x4/x16 PCIe slot and 2 PCI expansion slots:** Increased graphics bandwidth provides up to 8 GB per direction and a combined 16 GB maximum, plus the flexibility to support another PCIe device and legacy PCI devices
- 7 6 SATA 3.0 Gb/s ports, including dual external eSATA ports, and 1 parallel ATA port (support for 2 devices):** Facilitates high-speed storage and data transfers, and supports external SATA and legacy devices
- 8 Intel® Matrix Storage Technology:** Performance and reliability with support for RAID 0, 1, 5, 10, and new Intel® Rapid Recover Technology
- 9 Dolby® Home Theater, 10-Channel Intel® High Definition Audio (7.1), and 5 stack audio ports (with optical S/PDIF output):** Enables high-quality integrated audio that rivals the performance of high-end discrete solutions. New Dolby® Control Center Software is an easy-to-use home theater configuration tool for an enhanced audio experience
- 10 Intel® Gigabit Ethernet LAN:** Provides networking capabilities
- 11 Consumer infrared receiver and blaster:** Supports receiving, learning, and emitting capabilities, controls up to two additional CE devices with your PC, and eliminates the need for USB CIR dongle
- 12 ATX (9.6" x 12") Form Factor:** ATX board supports more fully featured tower designs
- 13 Auto Tune BIOS:** System BIOS 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, and optimized POST for fast access to PC from power-on





Technical Specifications

Power

Baseboard Power Requirements

- ATX12V

Environment

Operating Temperature

- 0° C to +55° C

Storage Temperature

- -40° C to +70° C

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 sym-
bol is also used to indicate conformance to lead-free
requirements and definitions adopted under the Eu-
ropean 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, visit developer.intel.com/design/motherbd/

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.

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