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MOTHERBOARD LGA775

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**M45Dre**






- Supports LGA 775
- Intel® 945GC
- 45nm CPU with 1333FSB
- Dual DDR2 667/533/400
- SATA 3G
- On board 10/100 Ethernet
- 5.1 CH HDAudio
- RoHS Compliant
- Vista Premium HW ready

Product Image




**Specifications**

**FSB 1333** - Speed up to FSB 1333




Intel's best processor for multimedia applications with up to 80 percent faster performance for highly-threaded applications and four processing cores to handle the most massive throughput, the Intel Core 2 Extreme quad-core processor provides exceptional performance. With the M45D you are prepared for the latest 65nm and next generation 45 nm multi-core CPUs. With processors supporting Intel's SpeedStep Technology (EST) the M45D offers even more advanced energy efficiency.

Product Information

- [Specifications](#)
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**5.1 Channel HD Audio** - Offer you more flexibility



Scalable High Definition on-board audio offers the flexibility to use regular stereo PC speakers or any modern surround sound system with up to 5.1 channels. Create a fascinating soundscape according to your needs.

Support Information

- [BIOS](#)
- [Driver](#)
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- CPU**
  - LGA775 Socket for Intel® Core™ 2 Extreme/ Core™ 2 Duo/ Pentium® Dual-Core/ Celeron® Dual Core Processors with 1333\*/1066/800/533 MHz FSB
  - \*(FSB1333 CPU will operate in over-clocking mode. Under this situation, PCI frequency will also be over-clocked to 115MHz.)
  - Supports Intel® Hyper-Threading Technology
- Chipset**
  - Intel® 945GC/ ICH7 Chipset
- Memory**
  - 2 x 240-pin DIMM sockets support max. memory capacity 4GB\*
  - \*(Due to the chipset limitation, the actual memory size may be less than 4GB for the reservation of system usage under Windows® XP and Windows® Vista™)
  - Supports Dual channel DDR2 667/ 533\*/ 400 Un-buffered Non-ECC memory
  - \*(Due to the chipsets' limitation, when using FSB1333 CPU, the DDR2 533 memory module will run at 500MHz.)
- LAN**
  - On board 10/100 Ethernet controller supports
- Audio**
  - On board 5.1CH HDAudio CODEC
- Expansion Slots**
  - 1 x PCI-EX16, 1 x PCI-EX1, 3 x PCI
- Internal I/O**
  - 1 x Floppy Port supports up to 2.88 MB
  - 1 x ATA 100 IDE connector
  - 4 x SATA 3Gb/s connectors
  - 2 x USB header (support 4 ports)
  - 1 x FP-Audio
- Back Panel I/O**
  - 1 x PS/2 Keyboard, 1 x PS/2 Mouse
  - 5.1 CH Audio connector
  - 4 x USB 2.0, 1 x RJ-45 LAN connector
- Serial ATA**
  - 4 x SATA 3Gb/s through Intel® ICH7
- Form Factor**
  - ATX form factor 305 x 183mm
  - PCB Color: Orange
- RoHS**
  - 100% lead-free process and RoHS Compliant

