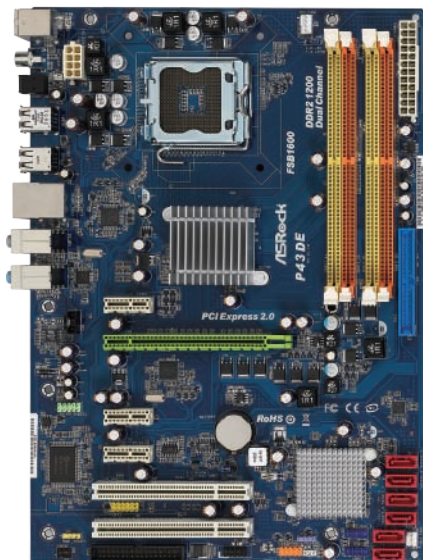


# P43DE

Intel® P43 + ICH10 Chipsets

**ASRock**  
www.asrock.com



FSB  
**1600**  
MHz

4x DDR2 1200

PCI-E 2.0



PCI-E  
Gigabit LAN

OC Tuner

Smart BIOS

Intelligent  
Energy Saver

## Product Brief <<<

- Supports Dual Channel DDR2 1200 (OC)
- 7.1 CH Windows® Vista™ Premium Level HD Audio (VIA® VT1708S Audio Codec with Q-Sound function)
- PCI-E Gigabit LAN
- Supports ASRock Instant Boot
- Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver, Extra ESD Protection

## Detail Specification <<<

<b>Platform</b>	- ATX Form Factor: 12.0-in x 8.5-in, 30.5 cm x 21.6 cm
<b>CPU</b>	- LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Penryn Quad Core Yorkfield and Dual Core Wolfdale processors - Supports FSB1600/1333/1066/800 MHz - Supports Hyper-Threading Technology - Supports Untied Overclocking Technology - Supports EM64T CPU
<b>Chipset</b>	- Northbridge: Intel® P43 - Southbridge: Intel® ICH10
<b>Memory</b>	- Dual Channel DDR2 memory technology - 4 x DDR2 DIMM slots - Supports DDR2 1200*/1066/800/667 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB  *DDR2 1200 memory modules will operate in overclocking mode
<b>Expansion Slot</b>	- 1 x PCI Express 2.0 x16 slot (green @ x16 mode) - 3 x PCI Express x1 slots - 2 x PCI slots
<b>Audio</b>	- 7.1 CH Windows® Vista™ Premium Level HD Audio (VIA® VT1708S Audio Codec)
<b>LAN</b>	- PCI-E x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111DL - Supports Wake-On-LAN
<b>Rear Panel I/O</b>	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Coaxial SPDIF Out Port - 1 x Optical SPDIF Out Port - 6 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
<b>Connector</b>	- 6 x SATAII 3.0 Gb/s connectors, support NCQ, AHCI and Hot Plug functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x COM port header - 1 x HDML SPDIF header - CPU/Chassis FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - CD in header - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports) - 1 x USB/WiFi header
<b>BIOS Feature</b>	- 8Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - CPU, DRAM, NB, SB, VTT Voltage Multi-adjustment - Supports I. O. T. (Intelligent Overclocking Technology) - Supports Smart BIOS
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version)
<b>Unique Feature</b>	- ASRock OC Tuner - Intelligent Energy Saver - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
<b>Hardware Monitor</b>	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
<b>OS</b>	- Microsoft® Windows® 2000 / XP / XP 64-bit / Vista™ / Vista™ 64-bit compliant
<b>Certifications</b>	- FCC, CE, WHQL
<b>Accessories</b>	- Quick Installation Guide, Support CD, I/O Shield - ATA 133 Cable - 2 x SATA Data Cables (Optional) - 1 x SATA 1 to 1 Power Cable (Optional)

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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## ASRock Instant Boot

Most of the people these days don't like to switch off computers everyday, we keep our computer up and running 24 hours a day, because it takes such a long time for our system to boot up again every time!

Now we have a good news, ASRock has overcome the technical obstacles and exclusively invented a new technology that allows you to turn on your PC in just a blink of an eye! Not only it saves energy, money, it also helps system running speed. This feature is applicable to both Windows® XP and Windows® Vista™!



**Instant Boot**  
Boot up in a blink of an eye!

- Save Energy
- Save Time
- Save Money
- Improve System Running Speed

**10 Times Faster!**  
With Instant Boot  
00:00:04.0  
No Instant Boot  
00:00:46.3

\* This function is applicable ONLY to single user that does not secure ID and Password to their systems.

## Instant Boot Interface

This function is designed with two main options:

### ● Enable Instant Boot

**Fast Mode:** With the fast mode, it takes only 3 to 4 seconds to boot up the system. You may start using your computer, running Office, browsing internet and even MSN instantly.

**Regular Mode:** With the regular mode, it is so fast that it only takes half of the traditional boot-up time to start the system. The boot up experience is safe and fast.

### ● Disable Instant Boot

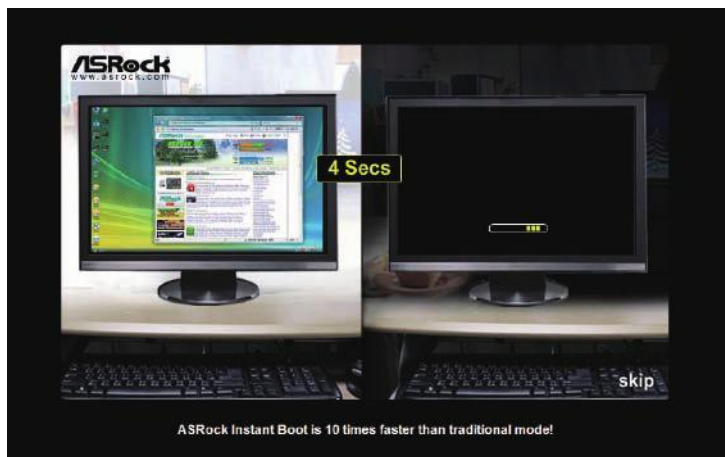
Instant Boot can also be disabled when you do not want to use this application.

Note: The actual boot up time is subject to the different models and configurations.



## 10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock Instant Boot can speed up the boot up time, and it is even 10 times faster than traditional mode!



**ASRock YouTube**

Instant Boot video link

<http://tw.youtube.com/watch?v=BucljXZVxXo>