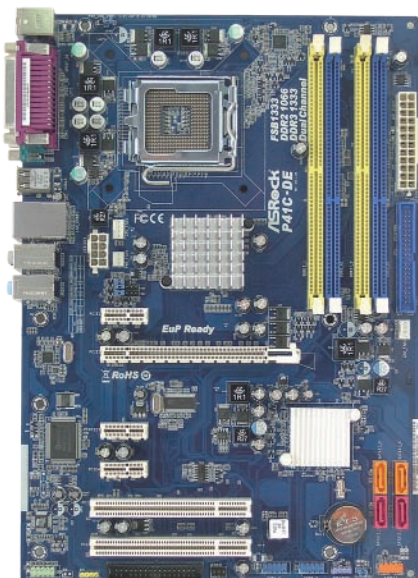


P41C-DE

Intel® G41 + ICH7 Chipsets

ASRock®
www.asrock.com



FSB 1333

2x DDR3 1333 (OC) + 2x DDR2 1066 (OC)

PCIe GLAN

Product Brief <<<

- Supports FSB1333/1066/800/533 MHz CPUs
- Supports Dual Channel DDR3 1333 (OC) + DDR2 1066 (OC)
- EuP Ready
- Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver, Instant Boot, Instant Flash, OC DNA
- 7.1 CH Windows® Vista™ Premium Level HD Audio (VIA® 1708S Audio Codec with QSound)
- Free Bundle : ASRock Software Suite

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.

Detail Specification <<<

Platform	- ATX Form Factor: 12.0-in x 8.4-in, 30.5 cm x 21.3 cm - Solid Capacitor for CPU power
CPU	- 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 FSB1333/1066/800/533 MHz - Supports Hyper-Threading Technology - Supports Untied Overclocking Technology - Supports EM64T CPU
Chipset	- Northbridge: Intel® G41 - Southbridge: Intel® ICH7
Memory	- Dual Channel DDR3/DDR2 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 1333(OC)/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 8GB - 2 x DDR2 DIMM slots - Supports DDR2 1066(OC)/800/667/533 non-ECC, un-buffered memory - Max. capacity of system memory: 8GB
Expansion Slot	- 1 x PCI Express x16 slot - 3 x PCI Express x1 slots - 2 x PCI slots
Audio	- 7.1 CH Windows® Vista™ Premium Level HD Audio (VIA® VT1708S Audio Codec)
LAN	- PCIe x1 Gigabit LAN 10/100/1000 Mb/s - Atheros® AR8131L - Supports Wake-On-LAN
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Parallel Port (ECP/EPP Support) - 1 x Serial Port: COM1 - 1 x Coaxial SPDIF Out Port - 1 x Optical SPDIF Out Port - 4 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
Connector	- 4 x SATAIII 3.0 Gb/s connectors (No support for RAID and "Hot Plug" functions) - 1 x ATA100 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x HDMI_SPDIF header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
BIOS Feature	- 8Mb AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - CPU, VCCM, NB, SB, VTT, GTLRef Voltage Multi-adjustment - Supports I. O. T. (Intelligent Overclocking Technology) - Supports Smart BIOS
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), ASRock Software Suite (CyberLink DVD Suite - OEM and Trial ; Creative Sound Blaster X-Fi MB - Trial)
Unique Feature	- ASRock OC Tuner - Intelligent Energy Saver - Instant Boot - ASRock Instant Flash - ASRock OC DNA - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - EuP Ready (EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional)

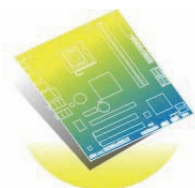
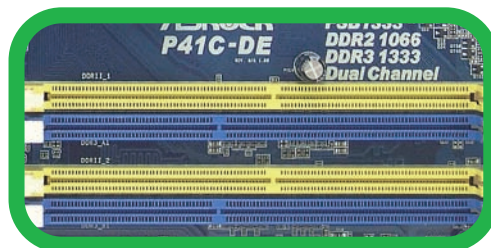
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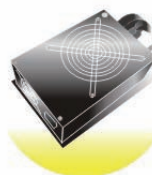
DDR2 + DDR3 Combo Design

DDR3 1333 (OC) + DDR2 1066 (OC)



EuP Ready Motherboard

+



EuP Ready Power Supply

=



EuP System

What is EuP?

EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. With the great quantity and the popularity using of the electrical products nowadays and the continuously increasing of the electrical products categories in the following 20 to 30 years, European Union decided to establish an effective strategy to solve the energy consumption problem. That is, according to EuP, the total AC power of the completed system shall be under 1.00W in off mode condition.

ASRock, Worldwide First EuP Ready Motherboard Manufacturer!

To meet EuP standard, the EuP ready motherboard and the EuP ready power supply are required. As a motherboard vendor with eco-awareness, ASRock is the pioneer to develop "EuP Ready" motherboards based on the great efforts of our exceptional hardware design.

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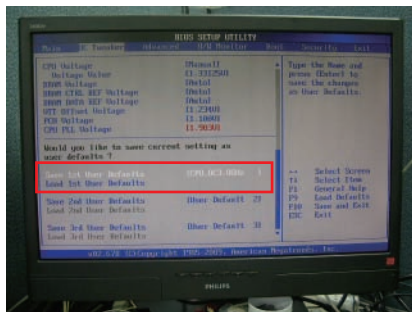
OC DNA

Save your OC settings as a profile and share with friends. Try OC DNA now!

OC DNA Instruction

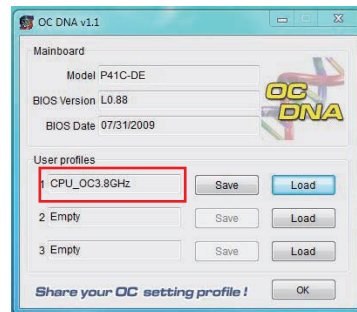
Step 1

Save your BIOS OC settings as User Default in BIOS OC Tweaker menu. (For example: we name this User Default setting as "CPU_OC3.8GHz")



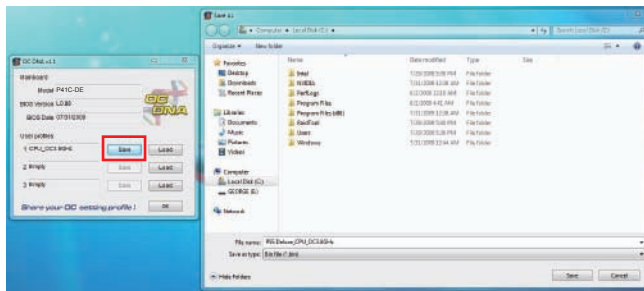
Step 2

Execute ASRock OC DNA under OS, you will find "CPU_OC3.8GHz" as User Profile 1.



Step 3

Press "Save" button to save the "CPU_OC3.8GHz" OC settings as a profile.



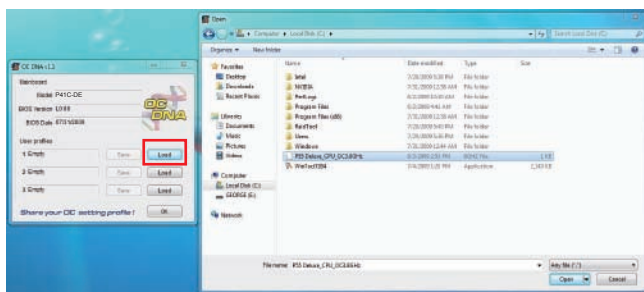
Step 4

Send the "CPU_OC3.8GHz" profile to other friends.



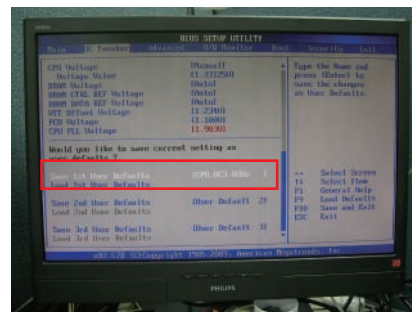
Step 5

When the friend receives your "CPU_OC3.8GHz" profile, he can press "Load" to load the "CPU_OC3.8GHz" profile in OC DNA.



Step 6

After that, the friend can enter into BIOS OC Tweaker menu to load the "CPU_OC3.8GHz" profile as his BIOS OC settings.



Now, you have successfully share your OC setting profile with your friends.

*The OC DNA works only when users use the same motherboard and BIOS version.

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ASRock Instant Boot



ASRock Instant Boot is a new feature invented exclusively by ASRock. It can boot up system in an amazing speed, which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also guarantee a clean Windows OS, and consumed less power! For details: <http://www.asrock.com/feature/InstantBoot/index.asp>

- * This function is applicable ONLY to single user that does not secure ID and Password to their systems.
- * The boot up time depends on the hardware configuration.

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

ASRock YouTube

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



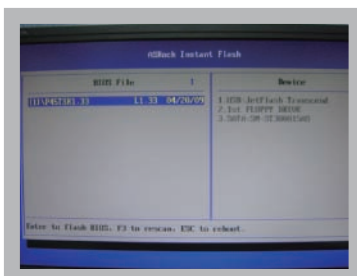
ASRock Instant Flash

ASRock Instant Flash is an exclusive and the most user-friendly BIOS flash utility developed by ASRock. It is embedded in Flash ROM which is used to update the system BIOS without having to enter operating systems like MS-DOS or Windows.



Features

Once executing ASRock Instant Flash, the utility will automatically detect all devices such as USB, hard disk or even floppy drive to find the exact BIOS for your system. Instead of giving you all BIOS in your devices, the Instant Flash just list BIOS versions that apply to your motherboard model only. For example, if you have many different BIOS of different motherboards saved in your devices, but you just need to flash your P45 motherboard, the Instant Flash will just list the P45 BIOS versions for you. This unique function allows you to easily select the suitable BIOS version instead of browsing through all data.



Instant Flash just list BIOS versions that apply to your motherboard model.

Simple!



Click and start Flashing!

Quick!

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- ★ CyberLink Power2Go 6.1 LE OEM
- ★ CyberLink MediaShow 4.1 SE OEM
- ★ CyberLink PowerDVD 8.0 DTS Trial
- ★ CyberLink PowerDirector 8.0 Trial
- ★ CyberLink PowerBackup 2.5 Trial
- ★ Creative Sound Blaster X-Fi MB Trial

CyberLink



CyberLink Power2Go 6.1 LE OEM

Power2Go 6 lets you burn and backup videos, photos, music and data onto Blu-ray Discs and DVDs.

CyberLink MediaShow 4.1 SE OEM

Photo and video management software MediaShow edits videos and photos instantly, creates slideshow, and allows publishing directly to YouTube and Flickr.

CyberLink PowerDVD 8.0 DTS Trial

World-renowned PowerDVD 8 DTS delivers outstanding DVD movie playback quality on your PC.

CyberLink PowerDirector 8.0 Trial

PowerDirector - Video Editing software – edits high-definition videos including AVCHD, allows output to PSP iPod and Blu-ray Disc.

CyberLink PowerBackup 2.5 Trial

PowerBackup backs up valuable data on your PC.

Creative Sound Blaster X-Fi MB Trial

The Sound Blaster X-Fi MB solution provides premium audio quality, effects and features for PC systems equipped with onboard audio.

For gamers, the EAX® ADVANCED HD 4.0, with its state-of-the-art Multi-Environment rendering and reverb modelling, delivers a much more realistic and immersive 3D gaming experience than your motherboard audio ever will.