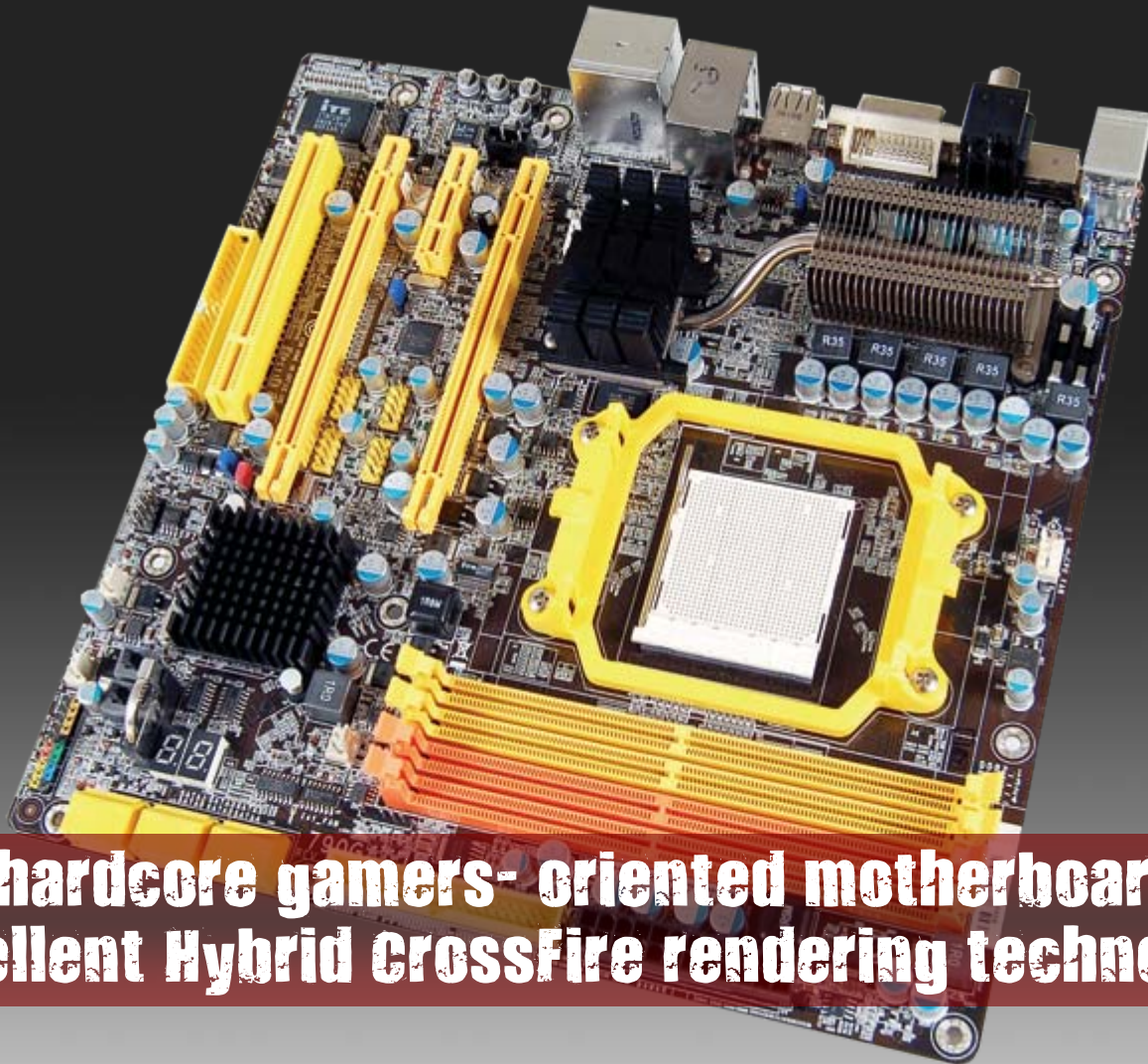


LANParty JR 790GX-M2RS



LANParty JR 790GX-M2RS



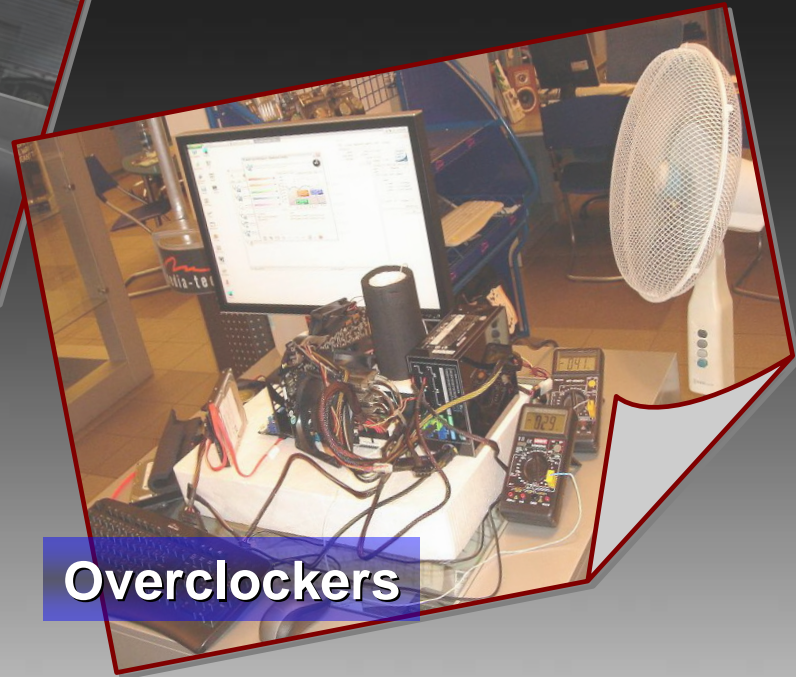
The hardcore gamers- oriented motherboard with excellent Hybrid CrossFire rendering technology!!

Target segment of the platform

We contribute LP DK 790GX Series to :

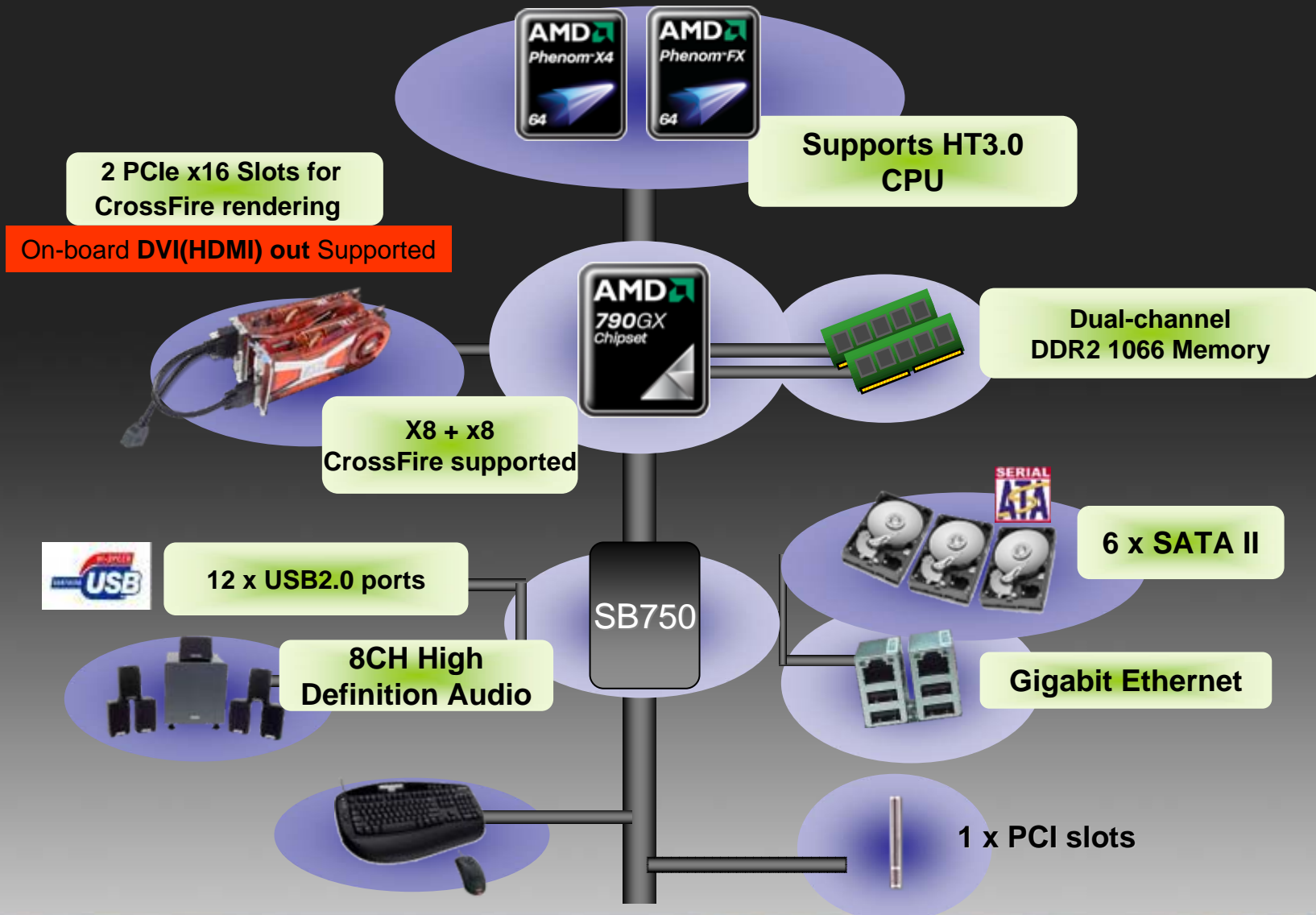


Hard-core Gamers



Overclockers

LANParty JR 790GX series platform



Specification of DK 790GX series

	LP JR 790GX Series
CPU	Phenom, Athlon 64, Athlon 64 FX, Athlon 64 X2
FSB	HT 3.0
Chipset	790GX + SB750
Memory	4 x DIMM DDR2 1066 up to max. 8GB
Slots	2 PCIe x16, 1 PCIe x1, 1 PCI
SATA ii	6 x SATA 3G with Raid 5 1 x IDE
LAN	PCIe GbE LAN
USB 2.0	12
Audio	8 Channles HD Realtek 885 audio CODEC
Cooling	Unique heat sink for NB, SB & PWM



Features of LP JR 790GX



8 Channels HD Audio

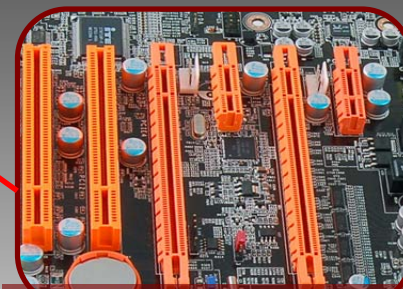


EZ switches

Stackable SATA slots

Gigabit LAN

4-Phase digital PWM

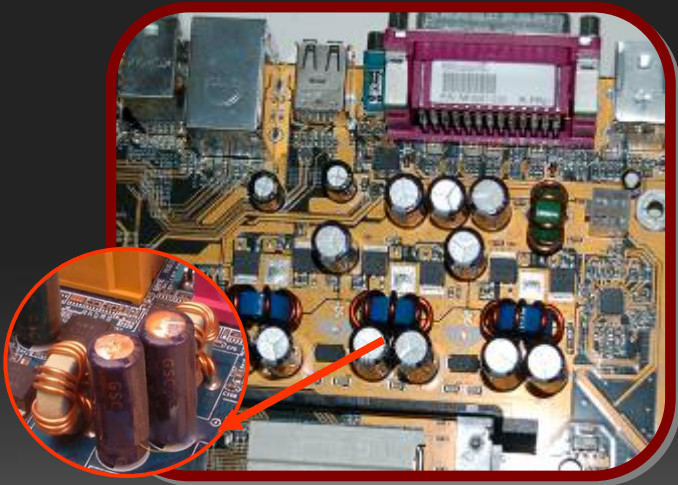


2 x PCIe slots for Crossfire

Features Highlights

-Digital PWM vs. ordinary PWM-

M p b g _ p w # N U K



Capacitors explosion by overheat while OC.

- *Instability of voltage supply
- * Higher temperature caused by massive usage of traditional capacitors.
- *Unduly subjected to dangerous explosion while OC

4-Phase Digital PWM



No aluminum caps in use, life-cycle problem free

- *Provides regulated voltage to avoid damage to capacitors.
- *Improves vCore stability and reliability while over-clocking.
- *4 phase PWM, provides up to 120A for CPU, which fully supports over-clocking.

Features Highlights

Digital PWM benefits

- DFI is first motherboard manufacturer to incorporate Digital PWM in enthusiast motherboard, which is the whole digitalize power supply module in the industry. DFI features 4-phase SMT Ferrite core choke and latest MLCC capacitor. Therefore, this is the best of best solution for OC or extreme usage.

- The digital PWM module includes 4 major parts: Master IC, Smart Slave, SMT Ferrite and MLCC capacitor.

- The communication between “front-end” and “back-end” IC is all by a series of digital signal. Hence, it is extremely accurate No matter the feedback of CPU voltage or CPU temperature...etc, they all performs very precisely. Aside from these, the speedy switching from Core Choke’s 800Khz clock is the main reason to make voltage’s output became shortly. That is why the board no need to have a bigger Capacitor anymore.

JR Series Digital PWM

MOSFET



Iron Core Power Inductor



Solid capacitor



Digital vs. traditional PWM



DFI Digital PWM

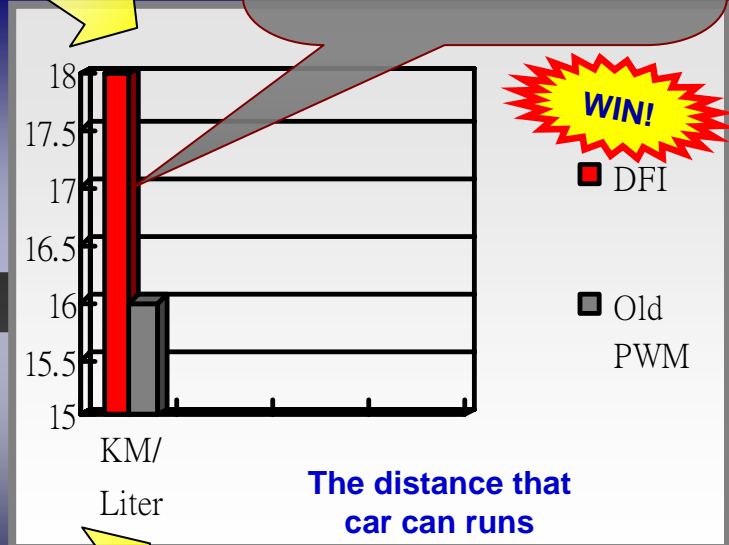


Use same amount of fuel




Ordinary PWM

Just like a higher performance car that uses less power to run longer distant !!



Features Highlights

Digital PWM benefits



The Digital PWM provides high stability, power-saving and longer durability with a lower power consumption and heat production.

Features Highlights

-Hybrid Graphic support-



A Good news to "Budget" gamers



Features Highlights

-Hybrid Graphic support-



The onboard integrated graphics



ATI 3450 graphic card



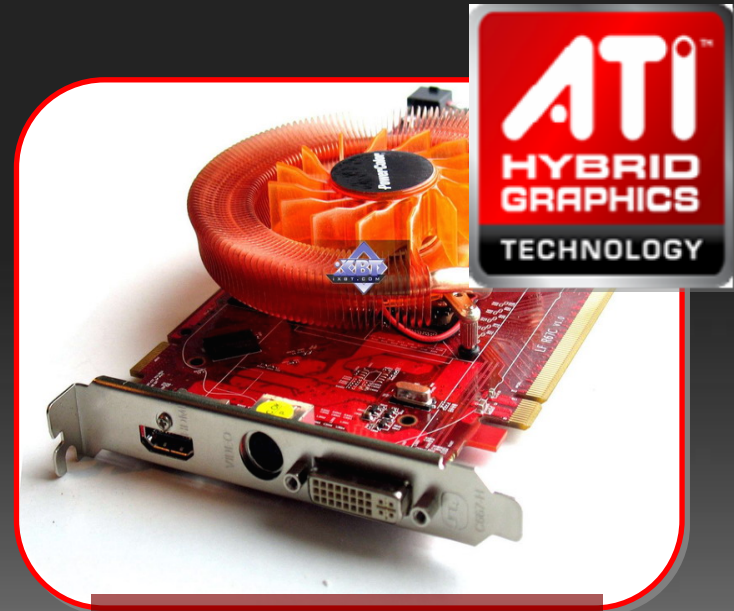
ATI 3650 graphic card

Features Highlights

-Hybrid Graphic support-



The onboard integrated graphics

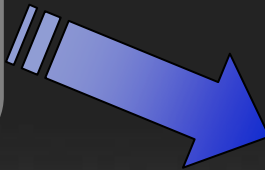
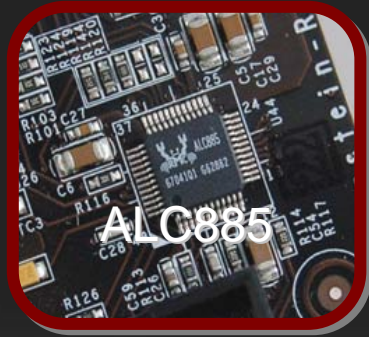


ATI 3850 graphic card

The performance can be raised up to 60%.

Features Highlights

High 8CH Definition Audio



HD 8CH audio

ALC885 features 8CH High Definition Audio with **106dB DAC** and **101dB ADC SNR** and it can perform faultless audio streaming at **96KHz/24 bit** or higher.

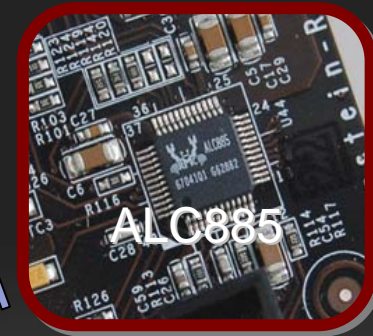


*ALC885 is certified by Microsoft Vista Premium version.

Features Highlights

High 8CH Definition Audio

Excellent quality for Gaming,
DVD movie playback



***JR series model incorporate Realtek ALC885 high definition audio codec, aimed to provide lossless audio for Gaming, DVD movie or even classical music.**

(ALC888 is a lower version to ALC885)

DFI

auto boost System

*The auto CPU upgrade system
& Settings exchange platform*

The first Auto CPU upgrade system !!
A ultimate solution to upgrade your PC by
press a single key only!
100% trouble free

DFI

How to get ABS works?

Only needs

2 steps

to

optimize your system.

Step 1 Turn on your PC

Step 2 Press F1

DFI embed a CPU upgrade technology for each “ABS” supporting mother-boards.



Your PC will be optimized
100% Automatically

ACTIVE RESIDE WIN RELOADED IN OS

CPU Name
Intel(R) Core(TM)2 CPU 6700 @ 2.66GHz

RESET SETTING

Auto Upgrade Setting Success
266 CPU ABS
FSB 333MHz
DDRII Speed 800MHz

WIN RELOADED **AUTO UPGRADE**

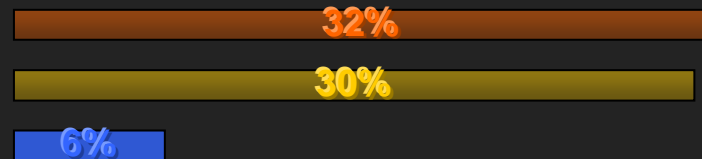
Auto Upgrade

ABS Benefits

CPU Auto upgrade By ABS function:

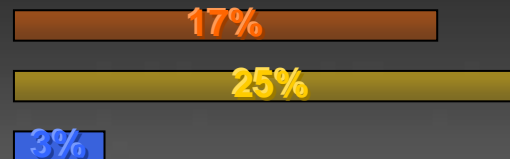
- FSB 800 upgraded

- 3D performance up 32%
- CPU performance up 30%
- DRAM performance 6%



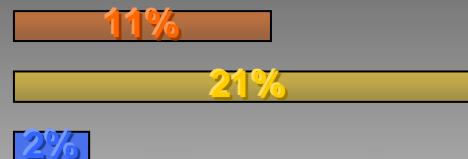
- FSB 1066 upgraded

- 3D performance up 17%
- CPU performance up 25%
- DRAM performance 2%



- FSB 1333 upgraded

- 3D performance up 11%
- CPU performance up 21%
- DRAM performance 2%



auto boost system

"ABS" Utility provides

- Backup OC profile
- Load OC profile
- Exchange OC profile

Backup OC profile



Load OC profile



Exchange OC profile



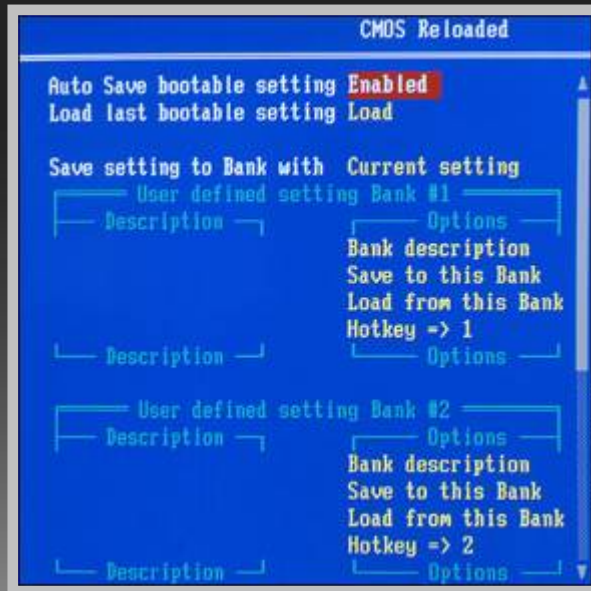
auto boost system

An advertisement for the 'auto boost system'. It features three computer cases (one silver, two black) positioned around a glowing blue world map. The text 'Share or Exchange your own OC profiles everywhere via internet!!' is displayed in the center. The background is black with a blue glow around the map and cases.

Share or Exchange
your own **OC profiles**
everywhere via internet!!

CMOS Reloaded

The OC setting saver



- Enable users to tweak the maximum performance
- Save all the BIOS settings on the fly
- Recall the settings by pressing a user-defined hot key

You can save your different BIOS setting to here
for
fast and easy OC. testing!



Genie BIOS

The Enthusiasts' favorite!

The most powerful BIOS settings!

Memory voltage from 1.71V to 3.04V

CPU core voltage up to 2.08V

NB core voltage from 1.265V to 2.040V

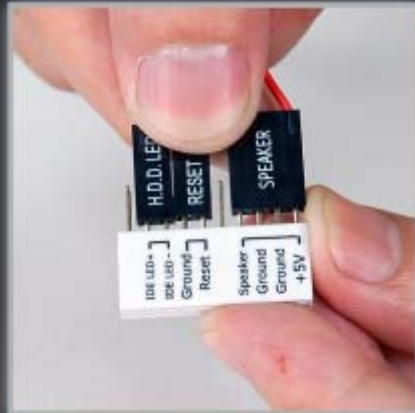
SB core/CPU PLL voltage from 1.51V to 2.38V

CPU VTT ranging from 1.211V to 1.805V

Adjustable multiplier control from 6X to 50x

(*depends on CPU itself)

Smart Connector



The Smart Connector makes your connection between front panel and cables of chassis become easier.

From now on, the Smart Connector terminates troubles of plugging all the chassis cables to motherboard's front panel.



**Intel *OC*
power off
issue fixed!!**

No matter you tweak
the FSB or memory
Ratio.

*The system will not
power off by
itself again!*

The issue of automatically shut down while
overclocking. No matter you tweak the **CPU
FSB** or **ratio of memory**, the system will not
power off by itself again.

friendly Interface

The most convenient & powerful BIOS interface!

Smart Connectors

The Smart-Connector makes your connection between front panel and cables of chassis become easier. From now on, the smart connector terminates the troubles of plugging all the chassis cables to motherboard's front panel.



auto boost system



**Intel OC
power off
issue fixed!!**

No matter you tweak the FSB or memory Ratio.
The system will not power off by itself again!



Thanks a lot for your patience !!