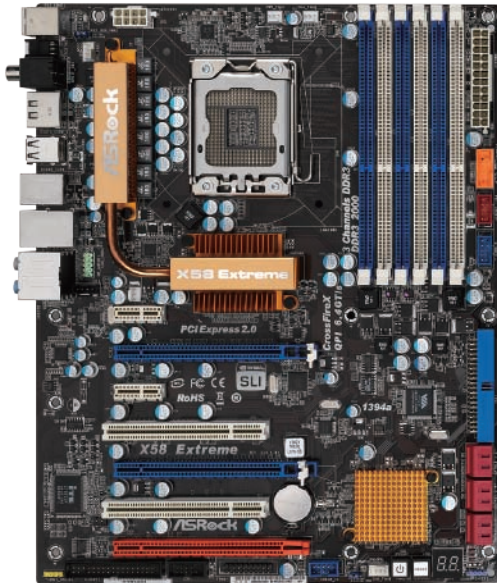


# X58 Extreme

Intel® X58+ ICH10R Chipsets

**ASRock**  
www.asrock.com



## Product Brief <<<

Worldwide First EuP Ready Motherboard!

- System Bus up to 6400 MT/s; Intel® QuickPath Interconnect
- Triple Channel DDR3 2000 (OC) with 6 DIMM slots
- 3 x PCI Express 2.0 x 16 slots (Double-wide slot spacing between each PCI-E slot)
- 1 x Power eSATA/USB connector
- NVIDIA® Quad SLI™ and SLI™
- ATI™ CrossFireX™, 3-Way CrossFireX™ and Quad CrossFireX™
- 7.1 CH, ALC890 Audio Codec
- Smart Switch Design
- Dr. Debug
- TPM support
- ASRock Instant Boot, Instant Flash, Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver

## Detail Specification <<<

<b>Platform</b>	- ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm - All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
<b>CPU</b>	- Intel® Socket 1366 Core™ i7 Processor Extreme Edition / Core™ i7 Processor Supports Intel® Dynamic Speed Technology - System Bus up to 6400 MT/s; Intel® QuickPath Interconnect - Advanced V8 Power Phase Design - Supports Hyper-Threading Technology - Supports Untied Overclocking Technology - Supports EM64T CPU
<b>Chipset</b>	- Northbridge: Intel® X58 - Southbridge: Intel® ICH10R
<b>Memory</b>	- Dual Channel DDR3 memory technology - 6 x DDR3 DIMM slots - Supports DDR3 2000(OC)/1866(OC)/1600(OC)/1333(OC)/1066 non-ECC, un-buffered memory - Supports DDR3 ECC, un-buffered memory with Intel® Workstation 1S Xeon® processors 3500 series - Max. capacity of system memory: 24GB - Supports Intel® Extreme Memory Profile (XMP)
<b>Expansion Slot</b>	- 3 x PCI Express 2.0 x16 slots (blue @ x16 mode, orange @ x4 mode) (Double-wide slot spacing between each PCI-E slot) - 2 x PCI Express x1 slots - 2 x PCI slots - Supports ATI™ CrossFireX™, 3-Way CrossFireX™ and Quad CrossFireX™ - Supports NVIDIA® SLI™ and Quad SLI™
<b>Audio</b>	- 7.1 CH Windows® Vista™ Premium Level HD Audio with Content Protection - DAC with 110dB dynamic range (ALC890 Audio Codec)
<b>LAN</b>	- PCIe 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 - 7 x Ready-to-Use USB 2.0 Ports - 1 x Powered eSATA/USB Connector - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - 1 x IEEE 1394 Port - 1 x Clear CMOS Switch - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
<b>Connector</b>	- 6 x SATA/II 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel® Matrix Storage), 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 HDMI SPDIF header - 1 x IEEE 1394 header - 1 x TPM header - CPU/Chassis/NB/Power 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)
<b>Smart Switch</b>	- 1 x Power Switch - 1 x Reset Switch - 1 x Clear CMOS Switch
<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 - Instant Boot - ASRock Instant Flash - 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/Chassis/NB/Power Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
<b>OS</b>	- Microsoft® Windows® XP / XP 64-bit / Vista™ / Vista™ 64-bit compliant
<b>Certifications</b>	- FCC, CE, WHQL
<b>Accessories</b>	- 1 x ASRock SLI_Bridge_2S Card - Quick Installation Guide, Support CD, I/O Shield - Floppy/ATA 133 Cables - 4 x SATA Data Cables (Optional) - 2 x SATA 1 to 1 Power Cables (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.

# X58 Extreme

Intel® X58+ ICH10R Chipsets

**ASRock®**  
www.asrock.com

## Worldwide First EuP Ready Motherboard!



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 popularly 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 X58 Extreme, Worldwide First EuP Ready Motherboard!

To meet EuP standard, an 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.

Today, ASRock proudly announced that X58 Extreme is the Worldwide First EuP Ready motherboard. With X58 Extreme, you are confident to setup a system to pass the EuP standard.



### TPM support

Trusted Platform Module  
Secure your working environment!  
TPM provides enhanced data protection, security via high-level encryption/decryption, and platform integrity.



### Dr. Debug

Dr. Debug helps you to diagnose the BIOS POST status of your system.



### Smart Switch Design



Clear CMOS Switch



Power Switch



Reset Switch

## 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>



# X58 Extreme

Intel® X58+ ICH10R Chipsets

**ASRock®**  
www.asrock.com

## 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.



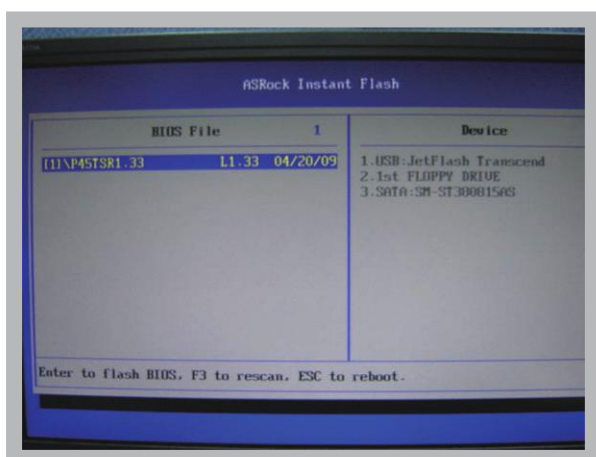
## How to execute ASRock Instant Flash?

ASRock Instant Flash is extremely user-friendly. You can access Instant Flash utility directly by pressing F6 when you saw this page.



## 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!