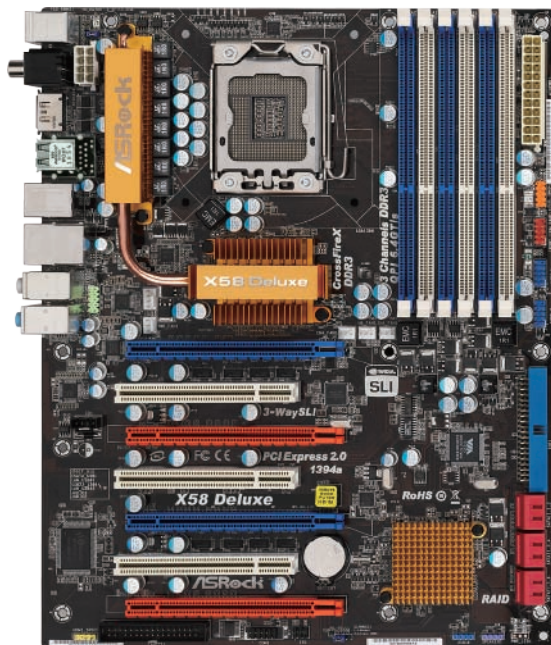


# X58 Deluxe

Intel® X58 + ICH10R Chipsets

**ASRock**  
www.asrock.com



## Product Brief <<<

- System Bus up to 6400 MT/s; Intel® QuickPath Interconnect
- Triple Channel DDR3 2000 (OC) with 6 DIMM slots
- 4 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™, 3-Way SLI™ and SLI™
- ATI™ CrossFireX™, up to Quad CrossFireX™
- 7.1 CH, ALC890 Audio Codec
- ASRock Instant Boot

## Free Bundle

3-Way SLI Bridge Card



SLI\_Bridge\_3S Card



XFire\_Bridge\_3S Cards



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 <<<

<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 - Supports Hyper-Threading Technology - Supports Unified Overclocking Technology - Supports EM64T CPU
<b>Chipset</b>	- Northbridge: Intel® X58 - Southbridge: Intel® ICH10R
<b>Memory</b>	- Triple 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, 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>	- 4 x PCI Express 2.0 x16 slots (blue @ x8 / x16 mode, orange @ x8 / N/A mode) (Double-wide slot spacing between each PCI-E slot) - 3 x PCI slots - Supports ATI™ CrossFireX™, Quad CrossFireX™ - Supports NVIDIA® Quad SLI™, 3-Way SLI™ and 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 - 6 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 - 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 RAID (RAID 0, RAID 1, RAID 10, RAID 5 and Intel® Matrix Storage), NCQ, AHCI and Hot Plug functions * 2 SATAII 3.0 Gb/s connectors can be used as eSATAII connectors - 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 - CPU/Chassis/NB/Power FAN connector - 24 pin ATX power connector - 8 pin 12V power connector - CD in header - Front panel audio connector - 3 x USB 2.0 headers (support 5 USB 2.0 ports)
<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 - 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>	- 2 x ASRock XFire_Bridge_3S Cards - 1 x ASRock SLI_Bridge_3S Card - 1 x ASRock 3-Way SLI Bridge 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)

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X58 Deluxe  
**X58**

## X58 Deluxe

**4 double-wide spacing PCIe x 16 Gen2 slots**  
**Perfect for double side VGA cards**

**Triple Channel DDR3 2000(OC) Memory**

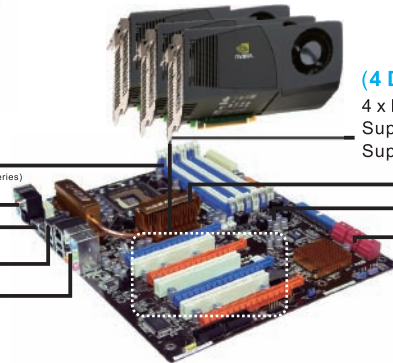
(Supports ECC, buffered memory with Intel® Workstation 1S Xeon® processors 3500 series)

Coaxial / Optical SPDIF Out Port

Power eSATA/USB connector

IEEE1394 Port

7.1 CH, ALC890



**(4 Double-Wide spacing PCIe x16 Gen2 slots)**

4 x PCI Express 2.0 x16 slots

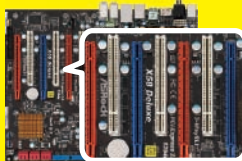
Supports NVIDIA® Quad SLI™, 3-Way SLI™ and SLI™

Supports ATI™ CrossFireX™, up to Quad CrossFireX™



### The Excellent Design & Placement of PCI-E slots

**4 PCI-E double-wide spacing slots**



**NVIDIA® SLI™ Family**

3-way SLI™

SLI™



**ATI™ CrossFireX™ Family**

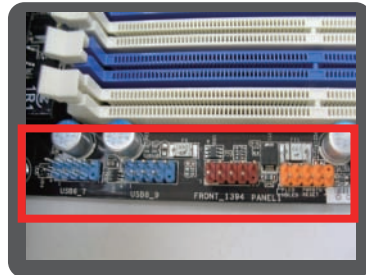
Excellent heat dissipating design

Quad CrossFire™

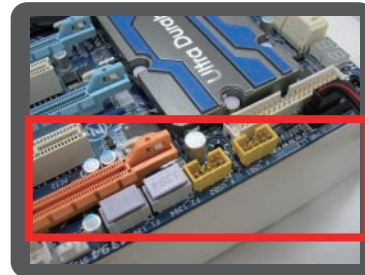


### The excellent placement for Components

**ASRock MB**  
Better placement



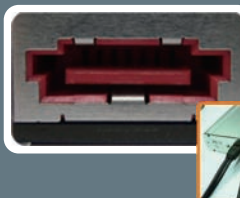
**GA X58 MB**  
Bad placement



### Exclusive Design

**Traditional design**

eSATAII



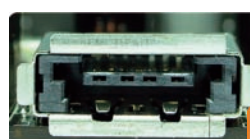
eSATA port for eSATA HD

- Needs additional power source
- Only 1 interface



**New design**

**Power eSATA/USB connector**



Powered eSATA connection For eSATA/USB portable hard disk

- No need additional power source
- Dual eSATA/USB interfaces



**Better!**