

1. AMD™ 790GX Chipset and AMD™ SB750 Chipset
2. **AM3 CPU ready**
3. Supports AMD AM2+ Phenom™/ AM2 Athlon64 series processors
4. High-polymer solid electrolysis aluminum capacitors
5. Integrated ATI Radeon HD 3300 GPU(For DirectX 10)
6. Support AMD OverDrive(AOD) Technology
7. Supports ATI Hybrid CrossFire Technology
8. Supports ATI CrossFireX Technology
9. **Support G.P.I Technology**
10. **Support 3D Audio Technology**
11. Supports Dual Channel DDR2/DDR3
12. Integrated Serial ATA2 3Gb/s with RAID function
13. Integrated Gigabit LAN and e-SATA
14. Integrated ALC883 HD Audio CODEC with 8-CH
15. Supports Blu-ray/Full HD DVD playback
16. CPU Vcore 7-Shift / DVI Port/HDMI port/VGA port
17. Ready for Windows® Vista™
18. **Integrated DDR3 128MB side port memory**
19. Micro ATX Form Factor (245mm x 245mm)



**Features and Benefits**

**AMD Phenom™ Quad-Core Processors with True Quad-Core Technology**

Realize new possibilities for connecting with friends, family, and digital entertainment with the phenomenal performance of the AMD Phenom™ 9000 series quad-core processor. Built from the ground up for true quad-core performance, AMD Phenom™ processors speed through advanced multitasking, critical business productivity, advanced visual design and modeling, serious gaming, and visually stunning digital media and entertainment

**AMD™ 790GX Chipset: Backbone of the Performance Platform**

AMD™ 790GX chipset based PCs feature the latest PCI-Express™ 2.0 bus technology and deliver high performance, low latency architecture offer one of the industry's advanced core-logic solutions with qualified performance and the latest technologies-PCI Express 2.0, secure high-speed networking, and high-performance storage—and ensures that your PC stays ready for the newest games, future applications, and next-generation PC specifications

**Hyper Transport Technology 3.0**

The highly scalable Hyper Transport 3.0 is capable to provide incredible bandwidth of the system bus up to 20.8GB/s which would dramatically elevate the efficiency of computing performance.

**ATI Hybrid Graphics Technology**

To provide better gaming performance than a single graphics card, the innovative design of ATI® Hybrid Graphics Technology is capable to bring additional performance increase up to 1.75X by enabling the power of both integrated graphics core and the add-on graphics card simultaneously

**AMD New generation of 45nm AMD Socket AM3 processors**

The 45nm AM3 processors that support Hyper Transport 3.0 Bus and integrate DDR2 & DDR3 memory controller, To provide advanced

visual design and modeling, serious gaming, and visually stunning digital media and entertainment.

### **GPU Clock Adjustable**

Onboard VGA can over-clocking

### **Serial ATA2 3Gb/s&RAID ,e-SATA**

This platform supports reliable storage solution for enhanced data protection and data accessing performance. Serial ATA 3Gb/s is firstly introduced in this platform to provide blazingly 3Gb/s bus bandwidth thus higher disk performance. The SATA RAID allows multi-disk designs to be set up as RAID 0, 1,10 based on users' priority of protection/performance, and which even makes more accessible by introducing the innovative windows-based facility

**E-SATA** is a new standard for external storage devices. With an external data transfer rate of up to 3 Gb/s no other external data transfer solution can compete with speed and ease of use

### **PCI-Express Gigabit LAN**

Delivers transfer speed ten times faster than conventional 10/ 100 Ethernet connections, supporting a high transfer rate up to Gigabit/s.

Gigabit LAN is the networking standards for the future and is ideal for handling large amount of data such as video, audio, and voice

### **DVI Interface**

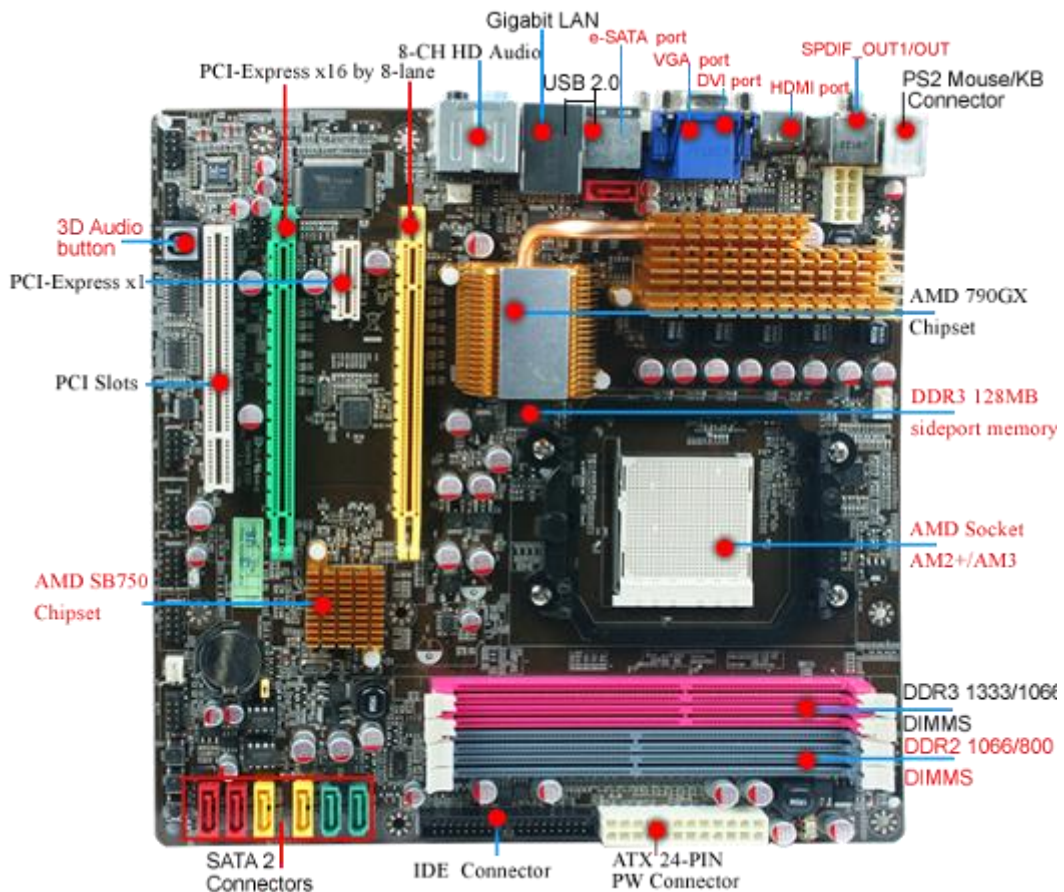
DVI (Digital Visual Interface) provides high visual quality of digital display devices such as LCD monitors

### **OC-CON high-polymer solid electrolysis aluminum capacitors embedded**

The working temperature is from 55 degrees Centigrade below zero to 125 degrees Centigrade, OC\_CON capacitors possess superior physical characteristics that can be while reducing the working temperature between 20 degrees Centigrade each time, intact extension 10 times of effective product operation lives, at not rising degrees Centigrade of working temperatures each time a relative one, life of product decline 10% only too.

### **CPU Vcore 7-Shift / Shift to the scalabilities and flexibilities**

The adjustable voltage for CPU Vcore can be upgraded in 31 stages for the precisely hardware dynamic over-clocking of demanding computing performance.



## Mainboard Specifications

<ul style="list-style-type: none"> <li>■ <b>CPU</b></li> </ul>	<p><b>Supports AMD Socket AM3/AM2+/AM2:</b></p> <ul style="list-style-type: none"> <li>■ AMD Phenom FX/Phenom processors</li> <li>■ Athlon 64 X2 / Athlon 64 FX / Athlon 64 / Sempron processors</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Chipset</b></li> </ul>	<ul style="list-style-type: none"> <li>■ AMD™ 790GX Chipset + AMD™ SB750 Chipset</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Hyper Transport Bus</b></li> </ul>	<ul style="list-style-type: none"> <li>■ HT 3.0</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Memory</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Dual Channel DDR2 memory technology</li> <li>■ 2 * 240-pin DDR2 DIMM slots</li> <li>■ 2 * 240-pin DDR3 DIMM slots</li> <li>■ Supports DDR2 1066/800MHz non-ECC ,un-buffered memory</li> <li>■ Supports DDR3 1333/1066MHz non-ECC ,un-buffered memory</li> <li>■ DDR2 Max.4GB, DDR3 Max.8GB</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Expansion Slots</b></li> </ul>	<ul style="list-style-type: none"> <li>■ 1 * 32-bit PCI slot</li> <li>■ 2 * PCI Express 2.0 x16 slots by 8-LANE</li> <li>■ 1 * PCI Express x1 slot</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Storage</b></li> </ul>	<p><b>AMD™ SB750 Southbridge Chipset :</b></p> <ul style="list-style-type: none"> <li>■ 6 * Serial ATA2 3Gb/s connectors</li> <li>■ Supports HDDs with RAID 0, 1,5,10 functions</li> <li>■ 1 * Ultra DMA 133 / 100 / 66 IDE connector</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Audio</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Realtek ALC883 HD Audio CODEC with 8-Channel</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Ethernet LAN</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Realtek RTL8111DL PCI Express Gigabit LAN</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>USB</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Embedded 10 * USB 2.0/1.1</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Special Features</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Advanced Power Design that supports the latest Socket-AM2 + K10 CPU</li> <li>■ Support CPU Smart FAN &amp; D.I.Y Switch x3</li> <li>■ Support 3D Audio Technology</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Rear Panel I / O</b></li> </ul>	<ul style="list-style-type: none"> <li>■ 4 * USB 2.0/1.1 ports</li> <li>■ 1 * PS/2 mouse port</li> <li>■ 1 * PS/2 keyboard port</li> <li>■ 1 * VGA port</li> <li>■ 1 * DVI port</li> <li>■ 1 * HDMI port</li> <li>■ 1 * RJ-45 port</li> <li>■ 1 * Audio I / O ports</li> <li>■ 1 * SPDIF_OUT1 port &amp; 1 * SPDIF_OUT2 port</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Internal I / O</b></li> </ul>	<ul style="list-style-type: none"> <li>■ 3* USB 2.0/1.1 headers for 6 USB 2.0/1.1 ports</li> <li>■ CPU / Chassis Fan connectors</li> <li>■ 1 * 8-pin ATX 12V Power connector</li> <li>■ 1 * 24-pin ATX Power connector</li> <li>■ CD / AUX Audio in</li> <li>■ 1 * IDE connector &amp; 1 * e-SATA port</li> <li>■ 1 * HDMI_SPDIF header</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>BIOS</b></li> </ul>	<ul style="list-style-type: none"> <li>■ AMI 8MB DIP Flash ROM</li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Form Factor</b></li> </ul>	<ul style="list-style-type: none"> <li>■ Micro ATX Form Factor (245mm x 245mm)</li> </ul>