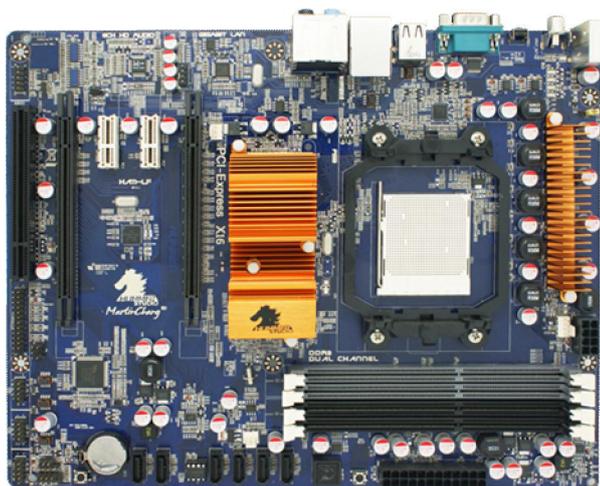


## Mainboard Diagram

### HA11



1. AMD™ 870 Chipset and AMD™ SB850 Chipset
2. Support for the latest AMD Phenom™ II and AMD Athlon™ II processors
3. High-polymer solid electrolysis aluminum capacitors
4. **Anti-static and anti-lightning strike function**
5. Supports Dual Channel DDR3 1333/1066
6. **Integrated Serial ATA3 6Gb/s with RAID function**
7. Integrated Gigabit LAN
8. **Support CrossFireX™ Technology**
9. Integrated ALC883 HD Audio CODEC with 8-CH
10. **4+1 Phase CPU Power Support**
11. ATX Form Factor (295mm X 230mm)



## Features and Benefits

### AMD 870 Chipset: Backbone of the Performance Platform

The AMD 870 Chipset enables an exceptionally power-efficient platform at an incredible value. Bringing features and performance that enrich what you see and do, including next generation gaming, get ready for fast graphics with PCI Express® Generation 2.0, the AMD 870 Chipset transforms your PC into a digital media powerhouse.

### 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.

### GPU Clock Adjustable

Onboard VGA can over-clocking

### ATI CrossFire Technology

ATI CrossFireX™ is the ultimate multi-GPU performance gaming platform. Enabling game-dominating power, ATI CrossFireX technology enables two or more discrete graphics processors to work together to improve system performance. For The Ultimate Visual Experience™, be sure to select ATI CrossFireX ready motherboards for AMD and Intel® processors and multiple ATI Radeon™ HD graphics cards.

ATI CrossFireX technology allows you to expand your system's graphics capabilities. It allows you the ability to scale your system's graphics horsepower as you need it, supporting up to four ATI Radeon™ HD graphics cards, making this the most scalable gaming platform ever.

### Serial ATA3 6Gb/s&RAID

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

## Mainboard Specifications

■ CPU	<b>Supports AMD Socket AM3:</b> <ul style="list-style-type: none"> <li>Support for the latest AMD Phenom™ II and AMD Athlon™ II processors</li> </ul>
■ Chipset	<ul style="list-style-type: none"> <li>AMD™ 870 Chipset + AMD™SB850 Chipset</li> </ul>
■ Hyper Transport Bus	<ul style="list-style-type: none"> <li>HT 3.0</li> </ul>
■ Memory	<ul style="list-style-type: none"> <li>Dual Channel DDR3 memory technology</li> <li>4 * 240-pin DDR3 DIMM slots</li> <li>Supports DDR3 1333/1066 non-ECC ,un-buffered memory</li> <li>Max.16GB</li> </ul>
■ Expansion Slots	<ul style="list-style-type: none"> <li>1 * 32-bit PCI slot</li> <li>1 * PCI Express 2.0 x16 slot by 16-LANE</li> <li>1 * PCI Express 2.0 x16 slot by 4-LANE</li> <li>2 * PCI Express x1 slots</li> </ul>
■ Storage	<b>AMD™SB850 Southbridge Chipset :</b> <ul style="list-style-type: none"> <li>6 * Serial ATA3 6Gb/s connectors</li> <li>Supports HDDs with RAID functions</li> </ul>
■ Audio	<ul style="list-style-type: none"> <li>Realtek ALC883 HD Audio CODEC with 8-Channel</li> </ul>
■ Ethernet LAN	<ul style="list-style-type: none"> <li>Realtek RTL8111DL PCI Express Gigabit LAN</li> </ul>
■ USB	<ul style="list-style-type: none"> <li>Embedded 12 * USB 2.0/1.1</li> </ul>
■ Special Features	<ul style="list-style-type: none"> <li>Support CrossFireX™ Technology</li> <li>CPU Smart FAN</li> <li>Anti-static and anti-lightning strike function</li> </ul>
■ Rear Panel I / O	<ul style="list-style-type: none"> <li>4 * USB 2.0 ports</li> <li>1 * PS/2 KB/MS port</li> <li>1 * RJ-45 port &amp; 1 * COM Port</li> <li>1* Coaxial Out</li> <li>1* Clear CMOS button</li> <li>1 * Audio I / O port</li> </ul>
■ Internal I / O	<ul style="list-style-type: none"> <li>4 * USB 2.0 headers for 8 USB 2.0 portsA</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>1 * Parallel header &amp; 1 * IR header</li> <li>1 * HDMI SPDIF header</li> </ul>
■ BIOS	<ul style="list-style-type: none"> <li>8MB DIPx1 Flash ROM</li> </ul>
■ Form Factor	<ul style="list-style-type: none"> <li>ATX Form Factor (295mm X 230mm)</li> </ul>

## Product Accessories



