

## Mainboard Diagram

### MA3-785GP



1. AMD™ 785G Chipset and AMD™ SB710 Chipset
2. Support AMD Socket AM3 Series processors
3. Support HT 3.0
4. Integrated ATI Radeon HD 4200(Support Microsoft DX 10.1)
5. Onboard DDR3 128MB sideport memory
6. Supports Dual Channel DDR3 1333/1066
7. Integrated Serial ATA2 3Gb/s with RAID function
8. Integrated ALC662 HD Audio CODEC with 6-CH
9. Integrated Gigabit LAN
10. Support 3D Audio Technology
11. Onboard HDMI port/DVI port /VGA port
12. Ready for Windows® 7™



## 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™ 785G Chipset: Backbone of the Performance Platform

The AMD 785G Chipset with ATI Radeon™ 4200 graphics is designed to be a stable and consistent platform for a modern commercial PC.

Take advantage of superior stability and exceptional performance and power savings on a platform that is designed for enhanced longevity.

The AMD 785G Chipset is the right choice for your business

### 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.

### PCI Express 2.0 Buses

The PCI Express 2.0 x16 graphics delivers up to 8 GB/s per direction, 2 times more bandwidth than PCI Express x16 and up to 16 GB/s concurrent bandwidth. PCI Express x1 I/O offers 1GB/s concurrently, over 7 times more bandwidth than AGP8X, tackling the most demanding multimedia tasks nowadays

### GPU Clock Adjustable

Onboard VGA can over-clock

## Mainboard Specifications

■ <b>CPU</b>	<b>Supports AMD Socket AM3</b> <ul style="list-style-type: none"> <li>■ AMD Socket AM3 Series processors</li> </ul>
■ <b>Chipset</b>	<ul style="list-style-type: none"> <li>■ AMD™ 785G Chipset + AMD™ SB710 Chipset</li> </ul>
■ <b>Hyper Transport Bus</b>	<ul style="list-style-type: none"> <li>■ HT 3.0</li> </ul>
■ <b>Integrated Graphics Processor</b>	<ul style="list-style-type: none"> <li>■ ATI Radeon HD 4200(Support Microsoft DX 10.1)</li> </ul>
■ <b>Memory</b>	<ul style="list-style-type: none"> <li>■ 2 * 240-pin DDR3 DIMM slots</li> <li>■ Supports DDR3 1333/1066 non-ECC ,un-buffered memory</li> <li>■ Max.8GB</li> </ul>
■ <b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>■ 2 * 32-bit PCI Slots</li> <li>■ 1 * PCI Express 2.0 x16 slot @16-lane</li> </ul>
■ <b>Storage</b>	<b>AMD™ SB710 Southbridge Chipset :</b> <ul style="list-style-type: none"> <li>■ 6 * Serial ATA2 3Gb/s connectors</li> <li>■ Supports HDDs with RAID 0, 1, JBOD Functions</li> <li>■ 1 * Ultra DMA 133 / 100 / 66 IDE Connector</li> </ul>
■ <b>Audio</b>	<ul style="list-style-type: none"> <li>■ Realtek ALC662 HD Audio CODEC with 6-Channel</li> </ul>
■ <b>Ethernet LAN</b>	<ul style="list-style-type: none"> <li>■ Realtek RTL8111DL PCI Express Gigabit LAN</li> </ul>
■ <b>USB</b>	<ul style="list-style-type: none"> <li>■ Embedded 8 * USB 2.0/1.1</li> </ul>
■ <b>Special Features</b>	<ul style="list-style-type: none"> <li>■ Advanced Power Design that supports the latest Socket-AM2+ K10 CPU</li> </ul>
■ <b>Rear Panel I / O</b>	<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 &amp; 1 * HDMI port &amp; 1 * DVI port</li> <li>■ 1 * RJ-45 port</li> <li>■ 1 * SPDIF_Out port</li> <li>■ 1 * Audio I / O ports</li> </ul>
■ <b>Internal I / O</b>	<ul style="list-style-type: none"> <li>■ 2 * USB 2.0/1.1 headers for 4 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>■ 1 * COM header</li> <li>■ CD / AUX Audio in</li> <li>■ Front panel audio connector</li> <li>■ 1 *HDMI_SPDIF_OUT header</li> </ul>
■ <b>BIOS</b>	<ul style="list-style-type: none"> <li>■ Award 8MB DIP Flash ROM</li> </ul>
■ <b>Form Factor</b>	<ul style="list-style-type: none"> <li>■ Micro ATX Form Factor</li> </ul>

