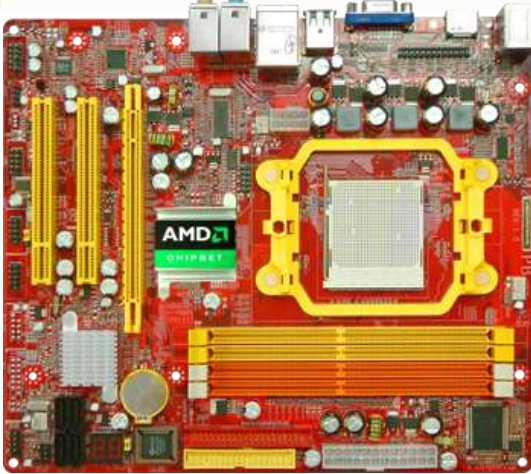


Mainboard Diagram



M2A692-GHG

- AMD™ 690G Chipset and AMD™ SB600 Chipset
- Support Socket AM2 64-bit dual core AMD Athlon™64 X2 processor
- Support HTT 1000MHz
- Dual Channel DDR2 800 Memory DIMMs Supported
- Support 4 Serial ATA Devices with RAID 0, 1, 10
- Ready for Windows® Vista™
- PCI Express Gigabit LAN Supported
- Azalia HD 8-Channel Audio CODEC
- CPU Vcore 7-Shift / BIOS BACK & DeBug Port
- Micro ATX Form Factor



Features and Benefits

Socket AM2 64-bit AMD Athlon™ 64 Processor with HyperTransport™ Technology

AMD64, a revolutionary technology allow the processor to run 32-bit applications at full speed while enable a new generation of powerful 64-bit software applications. HyperTransport™ technology can increase overall system performance by removing I/O bottlenecks, increasing system bandwidth, and reducing system latency.

AMD™ 690G Chipset: Backbone of the Performance Platform

AMD™ 690G chipset is AMD's performance class IGP platform solution. With embedded Radeon® X1250 graphics core, DVI, and HDMI technologies, this advanced chipset pumps an exceptional performance of VPU, delivering incredible graphics and blistering performance. AMD™ 690G chipset provides incredible flexibility and unlimited upgrade potential as it supports all Radeon® PCI – E graphics cards on a system configured for either single GPU or next generation multimedia operation. Designed with ATI's unique architecture to optimize speed and stability, this solution is perfect for overclocking – without the need of additional cooling systems.

AMD™ SB600 Southbridge Chipset

AMD SB600 Series offers advanced technologies and superior performance to any chipset platform solution for AMD desktop and mobile applications. With superior performance and broad-based connectivity, SB600 is rich in all the latest advanced features such as 10 USB 2.0 ports and audio. Designed for full data access for the fastest Windows Vista experience, it features new disk controller technologies that ensure fast file access while providing encryption for data security. AMD SB600 is designed with advanced power management for low power consumption and energy efficient platforms.

BIOS BACK Function: The BIOS Backup and Recovery Function

With the new support for the Serial Peripheral Interface, the whole motherboard series are embedded with the new storage of the extra bin file for BIOS recovery. When unexpected error occurs, even the BIOS crashes down, you can restore your BIOS with just simply clicking to restart your system. The backup bin file will recover automatically within a few minutes.

CPU Vcore 7-Shift / Shift_to the scalabilities and flexibilities

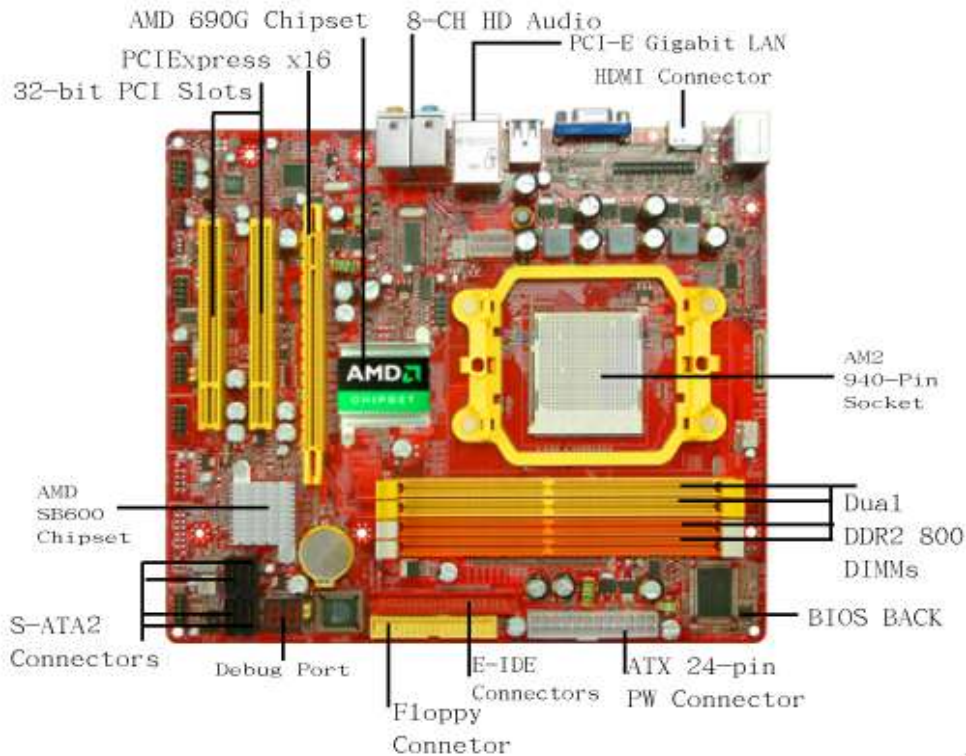
The adjustable voltage for CPU Vcore can be upgraded in 13 stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Debug Port: The Professional Hardware Diagnosis System

Being bugged of abnormal system failure through the tossed and turned nights no more, the embedded Hardware Debug Port offers you the real-time visual system healthy for the demanding usage of computing. No more bugging by unknown system failure and no more time wasted in the first moment of 24-hour nonstop ping business computing, the embedded Debug Port will turn you into a well training hardware professional with the seeing system situation..

Rear I / O





Mainboard Specifications

■ CPU	<ul style="list-style-type: none"> Socket AM2 HTT 1000 MHz AMD® Athlon™64 With HyperTransport Technology Compatible with 64-bit Dual Core AMD® Athlon™64 X2 Processor
■ Chipset	<ul style="list-style-type: none"> AMD™ 690G Chipset + AMD™SB600 Chipset
■ Memory	<ul style="list-style-type: none"> 4 * 240-pin DIMM Sockets for unbuffered Dual DDR2 800 SDRAM up to 8 GB
■ Expansion Slots	<ul style="list-style-type: none"> 2 * 32-bit PCI Slots / 1 * PCI EXPRESS x16
■ Storage	<ul style="list-style-type: none"> 2 * Ultra DMA 133 / 100 / 66 IDE Devices Support Embedded AMD™SB600 Southbridge Chipset Supports 4 Serial ATA2 devices with RAID 0, 1, 10 Functions.
■ Audio	<ul style="list-style-type: none"> Realtek ALC880E 8-Channel Azalia HD Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> Realtek RTL8111B PCI Express Gigabit NIC
■ USB	<ul style="list-style-type: none"> Embedded 8 * High Speed USB @ 480 Mbit / s
■ Special Features	<ul style="list-style-type: none"> Advanced Power Design that supports the latest Socket-AM2 K8 CPU "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
■ Rear Panel I / O	<ul style="list-style-type: none"> 4 * High Speed USB Connectors @ 480 Mbit / s 1 * PS / 2 Mouse & 1 * PS/2 Keyboard 1 * D-Sub 15-pin Connector 1 * HDMI Connector 1 * RJ45 Over USB2.0 Connector 1 * Audio I / O
■ Internal I / O	<ul style="list-style-type: none"> 2 * High Speed USB Connectors @ 480 Mbit / s for 4 USB 2.0 Ports CPU / Chassis Fan Connectors 1 * 12V 8-pin ATX Power Connector and 1 * 24-pin ATX Power Connector 1 * Serial Port of 9-pin Block 1 * Parallel Port of 25-Pin Block CD / AUX Audio in 1 * Floppy Connector 1 * HDTV OUT header / 1 * SPDIF header
■ BIOS	<ul style="list-style-type: none"> Award 4 MB Flash ROM
■ Form Factor	<ul style="list-style-type: none"> Micro ATX Form Factor (244mm * 210 mm)