

Mainboard Diagram



PI-AM2RS780G

- AMD 780G Chipset and AMD SB700 Chipset
- Socket-940 AM2+/AM2 CPU for AMD Phenom™, Athlon™ 64, Athlon™ 64 FX, Athlon™ X2 and Sempron processors
- Supports HT3 2600MHz
- AMD Hybrid CrossFireX™ support with DX10
- Dual Channel DDR2 1066 Memory DIMMs Supported
- 6 Serial ATA Devices with RAID 0, 1, 10 Supported
- Gigabit LAN
- 8-Channel HD Audio
- CPU Core Voltage Power Control
- mATX Form Factor



Features and Benefits

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

AMD64, a revolutionary technology allowing the processor to run 32-bit applications at full speed while enabling 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 780G Chipset: Backbone of Hybrid CrossFire Technology Performance Platform

AMD 780G chipset based PCs feature the latest PCI-Express™ 2.0 bus technology and deliver high performance support for AMD's new Hybrid CrossFireX™, allowing the combination of features or raw horse power from both the on board graphics and compatible add in PCI-E graphics boards, for the ultimate High-Def entertainment experience. Low latency architecture coupled with one of the industry's most advanced core-logic solutions deliver qualified performance and the latest technologies — PCI-Express 2.0, secure high-speed networking, high-performance storage — and ensures that your PC stays ready for the latest games, future applications and next-generation PC specifications

AMD SB700 Southbridge Chipset

AMD SB700 Southbridge offers the most advanced technologies and superior performance compared to any other chipset platform solution for AMD desktop applications. With superior performance and broad-based connectivity, SB700 is rich in all the latest advanced features such as support for 10 x USB 2.0 ports and 8-Channel audio. Designed for the fastest Windows Vista experience, it features new disk controller technologies that ensure fast file access while providing encryption for data security. AMD SB700 is designed with advanced power management allowing for low power consumption and energy efficient platforms.

Pro Magic Plus System Recovery Software Embedded

Restore important data immediately, allowing your system to be operated in a safer environment. This amazing software allows you to restore the data to the same state as any specific time point you wish. Moreover, it combines several other functions such as anti-virus, backup software, uninstall software, multi-boot manager etc. to completely satisfy your system protection needs. Worry no more about new virus's or system failure!

Debug Port: The Professional Hardware Diagnosis System

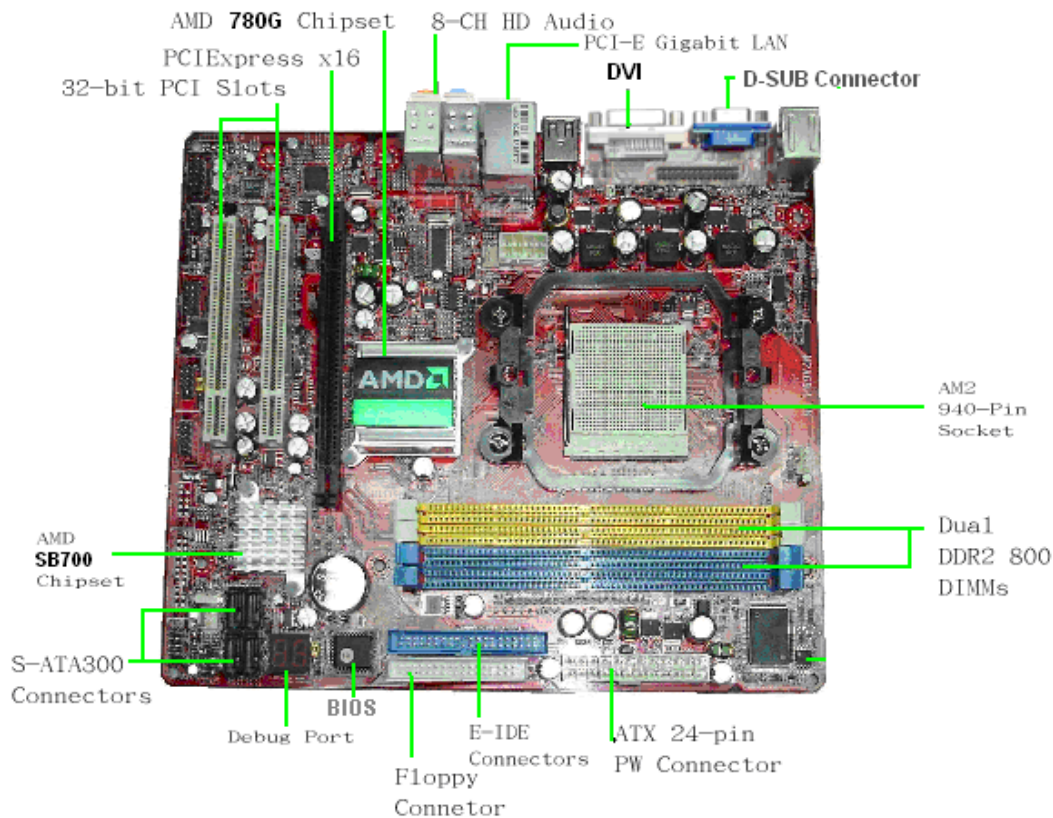
The embedded Hardware Debug Port offers you a real-time visual health check for your system. No more being driven crazy by unknown system failures and no more time wasted in the diagnosis of failure. The embedded Debug Port will help you to focus your attention exactly where it is needed, therefore minimizing down time for your system.

CPU Vcore 7-Shift

The CPU core voltage is adjustable in 13 steps for precise control of hardware over-clocking, maximizing computer performance.

Rear I / O





Mainboard Specifications

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| ■ CPU | <ul style="list-style-type: none"> Socket AM2+ HTT 2600 MHz AMD® Athlon™64 With HyperTransport Technology Compatible with 64-bit Dual Core AMD® Athlon™64 X2 Processor and AMD Phenom™ |
| ■ Chipset | <ul style="list-style-type: none"> AMD 780G Chipset (Hybrid CrossFireX™) + AMD SB700 Chipset |
| ■ Memory | <ul style="list-style-type: none"> 4 x 240-pin DIMM Sockets for unbuffered Dual DDR2 1066Mhz SDRAM (up to 16 GB) |
| ■ Expansion Slots | <ul style="list-style-type: none"> 2 x 32-bit PCI Slots / 1 x PCI EXPRESS 2.0 x16 Slot |
| ■ Storage | <ul style="list-style-type: none"> 2 x Ultra DMA 133 / 100 / 66 IDE Device Support Embedded AMD SB700 Southbridge Chipset Supports 6 x Serial ATA2 HDDs with RAID 0, 1 , 10 Functions |
| ■ Audio | <ul style="list-style-type: none"> Realtek ALC883 8-Channel HD Audio |
| ■ Ethernet LAN | <ul style="list-style-type: none"> Marvell M88E8049/M88E8056-F PCI Express Gigabit PHY |
| ■ USB | <ul style="list-style-type: none"> Embedded 10 x High Speed USB @ 480 Mbit / s |
| ■ Special Features | <ul style="list-style-type: none"> Advanced 4+1 Power Design that supports the latest K8/K10 CPU and HT3.0 BIOS Debug LED Display Hybrid CrossFire. Ability to combine the features or raw horsepower of both your on board graphics and those of any Hybrid CrossFireX compatible PCI-e add in board. ATI Radeon™ HD 3200 Internal Graphic core fully supports DX10 HDMI (Audio and Video) function supported by adaptor connect to DVI port Support for ACPI S3 (Standby) function “IMAGE IT!” System Backup Software and “ProMagicPLUS!” System Recovery System |
| ■ Rear Panel I / O | <ul style="list-style-type: none"> 4 x High Speed USB Connectors @ 480 Mbit / s 1 x PS / 2 Mouse & 1 x PS/2 Keyboard Connector 1 x VGA D-Sub 15-pin Connector & 1 x DVI-D Connector 1 X RJ45 LAN Connector 1 x 8-Channel Audio I / O |
| ■ Internal I / O | <ul style="list-style-type: none"> 3 x High Speed USB Connectors @ 480 Mbit / s for 6 USB 2.0 Ports CPU / Chassis Fan Connectors 1 x 12V 8-pin ATX Power Connector and 1 x 24-pin ATX Power Connector 1 x Serial Port 9-pin Header Block CD / AUX Audio in Connectors Front Audio connector IR connector 1 x Floppy Connector |
| ■ BIOS | <ul style="list-style-type: none"> Award 8 MB SPI Flash ROM |
| ■ Form Factor | <ul style="list-style-type: none"> mATX Form Factor 245X220mm |