

Mainboard Diagram



PI-AM2RS780V

- AMD™ 780V Chipset and AMD™ SB700 Chipset
- Support Socket-940 AM2+/AM2 65nm CPU for AMD Phenom™, Athlon™ 64, Athlon™ 64 FX, Athlon™ X2 processors
- Support HTT 2000MHz (HT3.0)
- Support DX10
- Dual Channel DDR2 1066 Memory DIMMs Supported
- Support 6 Serial ATA Devices with RAID 0, 1, 10
- PCI Express 10/100-bit LAN Supported
- 6-Channel HD Audio CODEC
- OverClock design for CPU, Chipset, and memory
- mATX Form Factor



Features and Benefits

AMD Phenom™ Quad-Core Processors with HyperTransport™ 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 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.. HyperTransport™ technology can increase overall system performance by removing I/O bottlenecks, increasing system bandwidth, and reducing system latency.

AMD™ 780V Chipset: DirectX 10, HT3, and PCI-E Gen2 Technology

AMD™ 780V chipset based on the latest ATI Radeon™ 3100 graphics and PCI-Express™ Gen2 bus with CPU by Hyper Transport™ 3.0 high speed technology can deliver high performance, low latency architecture offer one of the industry's advanced power efficiency solutions, secure high-speed Graphic core, and high-performance video technology— ensures that your PC stays ready for games, future applications, and next-generation PC specifications

AMD™ SB700 Southbridge Chipset

AMD SB700 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, SB700 is rich in all the latest advanced features such as 12 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 SB700 is designed with advanced power management for low power consumption and energy efficient platforms.

OC-CON high-polymer solid electrolysis aluminum capacitors embedded

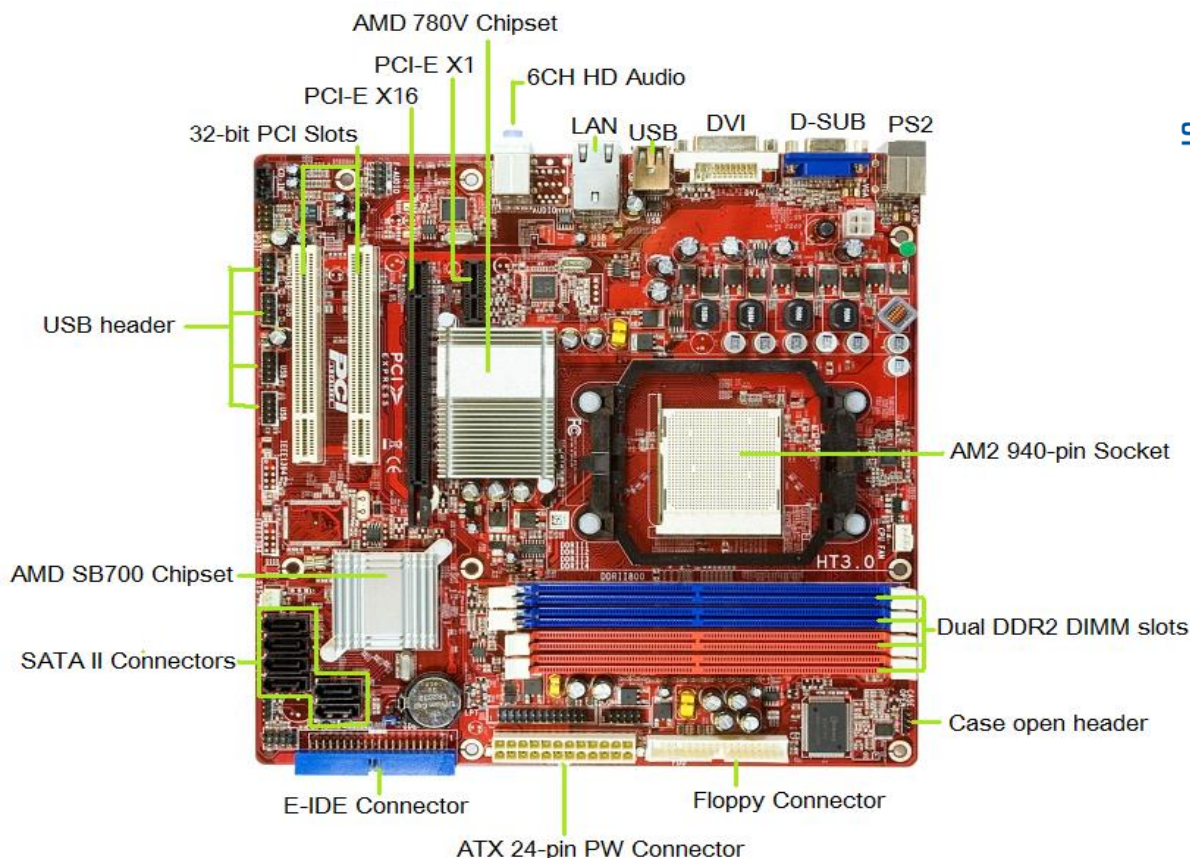
The working temperature is from 55 degrees Centigrade below zero to 125 degrees Centigrade, OC_CON capacitors possess superior physical characteristics that can be while reducing the working temperature between 20 degrees Centigrade each time, intact extension 10 times of effective product operation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

CPU OverClocking items to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore and ratio, FSB bus can be adjusted many stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Rear I / O





Mainboard Specifications

CPU	<ul style="list-style-type: none"> Socket AM2+ HTT 2000 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™ 780V Chipset (ATI Radeon™ 3100 graphics)+ AMD™ SB700 Chipset
Memory	<ul style="list-style-type: none"> 4 * 240-pin DIMM Sockets for unbuffered Dual DDR2 1066 SDRAM up to 16 GB
Expansion Slots	<ul style="list-style-type: none"> 2* 32-bit PCI Slots / 1 * PCI EXPRESS x16 Gen2 / 1 * PCI EXPRESS X1
Storage	<ul style="list-style-type: none"> 2 * Ultra DMA 133 / 100 / 66 IDE Devices Support 2 * 1.44" Floppy Devices Support Embedded AMD™ SB700 Southbridge Chipset Supports 6 Serial ATA2 HDDs with RAID 0, 1, 10 Functions
Audio	<ul style="list-style-type: none"> Realtek ALC662 6-Channel HD Audio CODEC
Ethernet LAN	<ul style="list-style-type: none"> Realtek RTL8101E PCI Express10/100bit PHY
USB	<ul style="list-style-type: none"> Embedded 12 * High Speed USB @ 480 Mbit / s
Special Features	<ul style="list-style-type: none"> Advanced 4+1 phase Power Design that supports the latest K8/K10 CPU and HT3.0 Internal high performance Graphic core RV610 support DX10 HDMI function support by adaptor connect to DVI port Support ACPI S3 function Have Hardware design "Open Case" warning for Chassis Intrusion Header
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 * DVI Connector 1 * RJ45 Connector 1 * Audio I / O
Internal I / O	<ul style="list-style-type: none"> 4 * High Speed USB Connectors @ 480 Mbit / s for 8 USB 2.0 Ports CPU / Chassis Fan Connectors 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector 1 * Serial Port of 9-pin Block header 1 * Parallel Port of 25-Pin Block header CD Audio in SPDIF header 1 * Front Audio 9-pin header
BIOS	<ul style="list-style-type: none"> Award 8 MB SPI Flash ROM
Form Factor	<ul style="list-style-type: none"> mATX Form Factor 247X244mm