

HUMMER HA09

Motherboard Overview



1. AMD™ 890GX Chipset and AMD™ SB850 Chipset
2. AND AM3 X6 Processor Ready, up to 125W, HT 3.0
3. Dual Channel DDR3 1600(OC)/1333/1066
4. Integrated ATI Radeon™ HD 4290 Graphics
5. Dedicated 128MB DDR3 Sideport Video Memory
6. Supports ATI CrossFireX™ & Hybrid CrossFire™ Technology
7. Integrated SATA3 6Gb/s with RAID, eSATA Port
8. Integrated Realtek Gigabit LAN
9. Integrated Realtek 8-CH HD Audio
10. Mini-PCI Express Slot
11. Patented 3D Audio Technology
12. G.P.I Technology, OC-CON Capacitors
13. Debug LCD, DIY Reset/Clear/Power Buttons
14. ATX Form Factor (305mm X 245mm)

Features and Benefits

Next Generation AMD Socket AM3 Processors

AMD Athlon II and Phenom II processors ignite the next generation of solutions for desktops. Whether it's playing games, cloud computing or editing home videos, enjoy a better experience with AMD multi-core processors.

Ultimate HD Experience

The AMD 890GX Chipset with ATI Radeon™ HD 4290 Graphics 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 and a superior HD video experience, the ATI Radeon™ HD 4290 Graphics with AMD 890GX Chipset transforms your PC into a digital media powerhouse. Let your desktop PC be the center of your entertainment lifestyle with full 1080p HD playback. Get dual-stream PiP (Picture in Picture) on Blu-ray™ 1.1 playback with multi-monitor capability and support for DVI and HDMI.

ATI CrossfireX & ATI Hybrid Graphics Technology

ATI CrossFireX™ is the ultimate multi-GPU performance gaming platform. Enabling game dominating power, ATI CrossFireX technology enables two ATI graphics cards to work together to improve system performance. By using the onboard ATI Radeon HD 4290 along with a single ATI graphics card you can enable ATI Hybrid graphics, giving you more powerful graphics when you need it.

Serial ATA Revision 3.0 6Gb/s & RAID

The next generation Serial ATA revision 3.0 has arrived. Take advantage of the latest SATA 6Gb/s devices today and keep backward compatibility with SATA 1.5Gb/s and 3Gb/s devices. The AMD SB850 controller also features built-in support for RAID 0, 1, 5, 10 or JBOD functions, so you can setup multiple drive arrays for massive storage, increased speed, or to backup important data.

G.P.I Technology & OC-CON

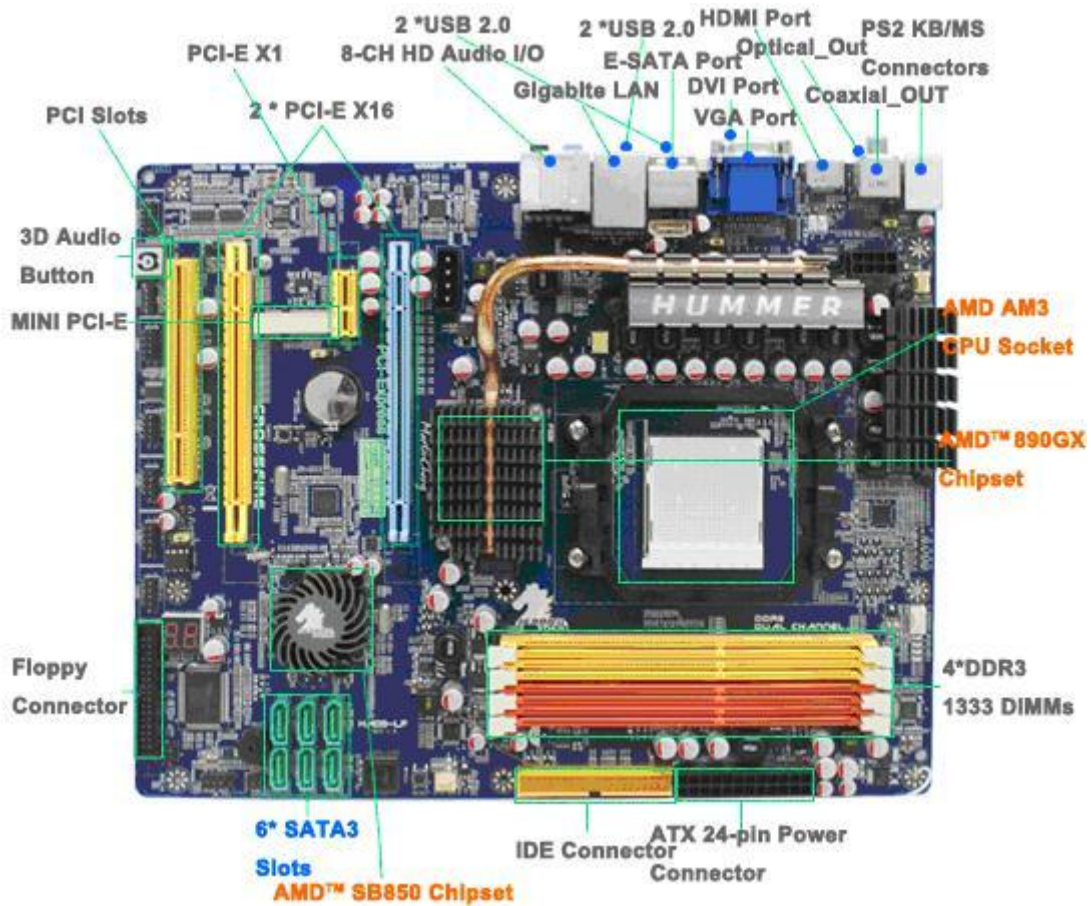
Jetway Green Power Indicator (GPI) conserves power and provide energy efficiency, saving power, money, and the environment. OC-CON high-polymer solid capacitors allows for extreme stability and helps extend the life of your motherboard.

For the Enthusiast

The embedded Debug hardware diagnostics port allows enthusiasts to monitor system health real-time. No more wasting time trying to figure out unknown system failures, the debug port will save time and turn you into a hardware professional. Precise adjustable CPU Vcore 7-shift 31 stage voltage settings for dynamic overclocking for the power user.

Mini-PCI Express Slot

The HUMMER HA09 features an onboard mini-PCI Express slot, which offers users a unique expansion solution. The most popular use today is for wireless cards, but there are many new and exciting devices, such as SSD drives, being developed for mini-PCI Express.



Motherboard Specifications

■ CPU	■ AMD AM3 Athlon II & Phenom II processors, thru 6-Core, up to 125W
■ Chipset	■ AMD™ 890GX Chipset + AMD™ SB850 Chipset
■ HyperTransport	■ HyperTransport™ 3.0
■ Memory	<ul style="list-style-type: none"> ■ Dual Channel DDR3 1600(OC)/1333/1066 MHz non-ECC, un-buffered memory ■ 4 * 240-pin DDR3 DIMM slots, up to 16GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 1 * PCI Express 2.0 x16 slot (x16 bandwidth) ■ 1 * PCI Express 2.0 x16 slot (x8 bandwidth) <ul style="list-style-type: none"> ■ Running at x8/x8 in CrossFireX mode ■ 1 * PCI Express x1 slot ■ 1 * Mini-PCI Express slot ■ 1 * 32-bit PCI slot
■ Storage	<ul style="list-style-type: none"> ■ SB850: 6 * Serial ATA3 6Gb/s connectors ■ Supports RAID 0, 1, 5, 10, JBOD ■ JMicron: 1 * Ultra DMA 133 IDE connector, up to 2 devices

<ul style="list-style-type: none"> ■ Video 	<ul style="list-style-type: none"> ■ ATI Radeon HD 4290 Graphics ■ Dedicated 128MB DDR3 Sideport Video Memory ■ Supports DirectX 10.1, Hardware 1080p HD Blu-ray playback, MPEG2, VC-1, and H.264
<ul style="list-style-type: none"> ■ Audio 	<ul style="list-style-type: none"> ■ Realtek ALC888 7.1 Channel HD Audio ■ Patented 3D Audio Technology
<ul style="list-style-type: none"> ■ Ethernet LAN 	<ul style="list-style-type: none"> ■ Realtek RTL8111DL PCI Express Gigabit LAN
<ul style="list-style-type: none"> ■ USB 	<ul style="list-style-type: none"> ■ 12 * USB 2.0
<ul style="list-style-type: none"> ■ Special Features 	<ul style="list-style-type: none"> ■ Support ACPI S3, G.P.I Technology. 3D Audio, DIY Switch Reset/Clear/Power Buttons
<ul style="list-style-type: none"> ■ Rear Panel I / O 	<ul style="list-style-type: none"> ■ 4 * USB 3.0/2.0 ports ■ 1 * PS/2 keyboard port or mouse port ■ 1 * VGA port ■ 1 * DVI-D port ■ 1 * HDMI 1.3 port ■ 1 * RJ-45 port ■ 1 * Coaxial Out, 1* Optical Out ■ 1 * Audio I / O ports ■ 1 * eSATA port (enabling requires the use of one internal SATA port)
<ul style="list-style-type: none"> ■ Internal I / O 	<ul style="list-style-type: none"> ■ 4 * USB 2.0 headers for 8 USB 2.0 ports ■ CPU / Chassis Fan connectors ■ 1 * 8-pin ATX 12V Power connector ■ 1 * 24-pin ATX Power connector ■ 1 * COM header ■ CD/AUX Audio In, 1 * IR header ■ 1 * HDMI_SPDIF header
<ul style="list-style-type: none"> ■ BIOS 	<ul style="list-style-type: none"> ■ 16MB DIP Flash ROM
<ul style="list-style-type: none"> ■ OS 	<ul style="list-style-type: none"> ■ Support for Microsoft Windows 7/Vista/XP
<ul style="list-style-type: none"> ■ Form Factor 	<ul style="list-style-type: none"> ■ ATX Form Factor (305mm X 245mm)

Product Accessories

