



MOTHERBOARD

Socket AM2

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AN78GS



- Socket AM2/AM2+
- nVIDIA GeForce 8200
- HT 3.0 5200MT/s
- Dual DDR2 1066
- PCIe 2.0 X16
- SATA 3Gb/s RAID 0/1/0+1/5
- Gigabit LAN
- 7.1 Ch HD Audio
- nVIDIA Hybrid SLI Technology
- nVIDIA PV/HD Technology
- abit Softmenu™ Technology
- abit Silent OTES
- RoHS Compliant



Product Image



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Specifications

AMD Phenom™ FX Processors - Multi-core performance for life-like gaming, crystal clear digital media, and serious mega tasking



Native, True Quad-Core Processor – Improve overall performance
AMD Phenom™ FX Processors are the True Quad-Core Processors which allow cores to communicate on the same piece of silicon using Direct Connect Architecture with caches and core performance enhancements

Hyper Transport 3.0 Technology
With the Hyper Transport 3.0 Technology, systems with Socket AM2+ processor can support data rates up to 5200MT/s

Integrated DDR2 Memory Controller – Supports Dual DDR2 1066
Users are able to get a faster and better PC experience due to the Integrated Dual Channel DDR2 Controller with up to DDR2 1066 support which allows dramatic application performance improvements with greater system throughput and lower latency

NVIDIA Hybrid SLI Technology - Increase 3D graphic performance



- Enabled Hybrid Graphics models: 8400GS, 8500GT
GF8200+8400GS= GF8500
GF8200+8500GT= GF8600



- **GeForce Boost** turbocharges the performance of your GPU while **Hybrid Power** unleashes graphics performance and saves power when doing simple processing.
- DirectX10, improves graphic and gaming performance under Windows Vista®

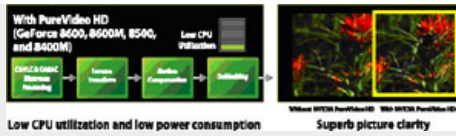


NVIDIA PV/HD - Enhanced dedicated video engine



The NVIDIA® GeForce 8200 is the world's first GPU video processor to offload 100% Blu-ray and HD DVD H.264 video decoding from the CPU. The PureVideo™ HD technology lets you enjoy stunning HD DVD and Blu-ray movies* with superb picture clarity, low CPU utilization, and lower power consumption.

*System must meet certain hardware and software requirements



NVIDIA n-View Technology

- See more, do more.



NVIDIA's nView technology enables you to use two monitors at a time. You can either use each monitor for displaying different content, or use two monitors to show the same content. Instead of a second monitor you can also, for example, use a projector.



4 Phase OC-PWMs

- Longer service life, greater stability



The 4-phase PWM layout provides sufficient power and great stability for AM2+/AM2 CPU and offers higher over-clocking potential.

Memory

- More voltage stability with higher quality capacitors



With the high quality capacitors, this additional 1 phase PWM can enhance the voltage stability delivered to DDR2 memory modules.

abit Silent OTES

- Black Edition! Keep it cool & quiet!



Through this unique abit engineered Silent-OTES heat-pipe design, heat generated by the chipset can be efficiently and noiselessly dissipated.

CPU

- AMD AM2+/AM2 Processor using Hyper Transport™ Technology for up to 5200MT/s
- * AM2+ running HT3.0 5200MT/s
- * AM2 running HT1.0 2000MT/s
- AMD Cool 'n' Quiet Technology

Chipset

- NVIDIA GeForce 8200 chipset

Memory

- 4 x 240-pin DIMM sockets support max. memory capacity 8GB
- Supports Dual channel DDR2 1066/ 800/ 667 Un-buffered ECC/ Non-ECC memory
- * DDR2 1066 is supported by CPU AM2+ only

Graphic

- Integrated GeForce 8 series graphics DirectX 10 with Shader Model 4.0 support
- NVIDIA® Hybrid SLI technology
- NVIDIA® PureVideo HD with hardware H.264, VC1, and MPEG4 video decode
- NVIDIA® nView® multi-display technology capability, with two independent display controllers for the CRT, HDMI/DVI interfaces

Audio

- On board 7.1 CH HD Audio CODEC

Expansion Slots

- 1 x PCI-E X16 (PCI Express 2.0)
- 2 x PCI-E X1
- 3 x PCI

LAN

- On board GbE LAN

Internal I/O

- 1 x Floppy Port supports up to 2.88MB
- 1 x Ultra DMA 133/ 100/ 66/ 33 IDE Connector
- 4 x USB2.0 header (support 8 ports)
- 6 x SATA 3Gb/s connector

Back Panel I/O

- 1 x PS/2 Keyboard
- 1 x HDMI, 1 x VGA, 1 x DVI
- 1 x RCA out
- 4 x USB2.0, 1 x RJ-45 LAN Connector
- 7.1 CH HD Audio connector (Front, Line-in, MC-in, Center/Subwoofer, Surround, Rear Surround)

Serial ATA

- 6 x SATA 3Gb/s
- Supports SATA RAID 0/ 1/ 0+1/5 and JBOD

.. **Form Factor**

- ATX formfactor 305x220 mm

.. **RoHS**

- 100% lead-free process and RoHS compliant

abit Engineered



>> abit SoftMenu™

The original jumperless motherboard design allows for CPU setting changes completely through the BIOS. For GigaOverclocking! Boost your PC's Performance by up to 50%. Convenient and easy-to-use fine tuning from within a self-explanatory BIOS menu.



>> abit EQ

The abit EQ is a self-diagnostic system that protects PC hardware by monitoring voltages, CPU & system fans speed, and CPU/system temperature. With new generation abit EQ interface, you are going to have a yet more user-friendly experience.



>> abit FlashMenu™

Click, click, and click! The abit FlashMenu™ makes BIOS updates so easy, so quick, and so safe.

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