

abit Engineered

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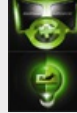
MOTHERBOARD

Socket AM2

Browse by processor

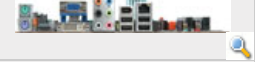
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A-N78HD



- Socket AM2+ / AM2
- nVIDIA GeForce 8200 Single Chipset
- HT3.0 5200MT/s
- Dual DDR2 1066 / 800
- *DDR2 1066 is supported by AM2+ CPU only
- Support HDM, DVI, VGA
- PCI-E 2.0 X16
- SATA 3Gb RAID 0/1/0+1/5
- Ggabit Ethernet LAN
- 7.1CH HDAudio
- IEEE 1394
- nVIDIA Hybrid SLI Technology
- nVIDIA PV/HD Technology
- abitSoftMenu Technology
- 4-phase OC-PWM for CPU
- Solid State Capacitors for CPU Power
- 100% lead-free process and RoHS compliant

Product Image



Product Information

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Specifications

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



Native, True Quad-Core Processor – Improve overall performance

AMD Phenom™ 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 Hyper Transport 3.0 Technology, the system supports Socket AM2/AM2+ Processors with 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 nView multi-display Technology

- Spread your work across multiple displays.



The nVIDIA nView Technology spreads your work across multiple displays. If you are a financial analyst—have one monitor per data stream. If you are a graphic artist—use an entire display for palettes, and another for editing. With support for Hybrid SLI further expansion for more advanced graphics upgrades in the future is an easy task.



Special PWM Design

- Keep your system efficient and stable all the time



4 Phase OC-PWM for CPU

Featuring high quality capacitors, the 4-phase OC-PWM provides sufficient power and great stability for AM2+ CPUs. The 4-phase OC-PWM around the CPU socket allows for better overclocking capabilities.



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

NVIDIA Hybrid SLI Technology

Maximize 3D graphics performance



GeForce Boost turbocharges the performance of the GPU. Hybrid Power unleashes graphics performance, while saving power when doing simple processing.



Supports Hybrid Graphics Model 8400GS, 8500 GT
GeForce8100+ 8400GS= GeForce8500
GeForce8100+ 8500GT= GeForce8600

nVIDIA PureVideo™ HD

Low CPU utilization and low power consumption



The first GPU video processor to offload 100% Blu-ray and HD DVD H.264 video decoding from the CPU. PureVideo™ HD technology lets you enjoy stunning HD DVD and Blu-ray movies with superb picture clarity, low CPU utilization, and low power consumption.



CPU

- Supports AMDAM2+ / AM2 Processors using Hyper Transport™ Technology with 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 (MCP78S) single 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 AM2+ CPU only

LAN

- On-board Gigabit Ethernet LAN

Audio

- On-board 7.1 CH HD Audio CODEC

Expansion Slots

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

Internal I/O

- 1 x Floppy Port supports up to 2.88MB
- 1 x Ultra DMA 133/100/66/33 IDE Connector
- 4 x USB 2.0 headers (support 8 ports)
- 6 x SATA 3Gb/s connectors
- 1 X HDMI Audio header
- 1 x IEEE1394 header

Back Panel I/O

- 1 x PS/2 Keyboard, 1 x PS/2 Mouse
- 1 x HDMI, 1x DVI, 1 x VGA
- 7.1 CH HD Audio connector (Front, Line-in, MC-in, Center/ Subwoofer, Surround, Rear Surround)
- 4 x USB 2.0, 1 x RJ-45 LAN Connector
- 1 x IEEE 1394

Serial ATA

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

Form Factor

- Micro ATX form factor 244 x 244mm
- PCB Color: Orange

RoHS

- 100% lead-free process and RoHS compliant

abit Engineered



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.

