



AMD LIVE! READY

The AMD LIVE! Ready motherboard can complement and enhance your digital entertainment experience. It is a smarter choice for your digital entertainment system.



AMD Phenom

Being inherited from the excellent architecture of multitasking, AMD Phenom processors lead to a new milestone in the computing performance with its powerful multi-core as well as the support for HT 3.0 technology.



DDR2 1066

Expands memory bandwidth up to 8.5GB/s.



8 Channel High Definition Audio

Integrated 8-channel HD Audio CODEC delivering advanced multi-channel audio and bringing you the experience of home theater-quality sound.



HT3.0

The highly scalable Hyper Transport 3.0 is capable to provide incredible bandwidth of the system bus up to 20.8GB/s which would dramatically elevate the efficiency of computing performance.



HDCP

A specification developed by Intel Corporation to protect digital entertainment content across the DVI/HDMI interface. HDCP encrypts transmission of digital content between HDCP-compliant devices that it allows users to enjoy HD content through HDCP-compliant playback software.



Certified For Windows Vista

The latest generation Microsoft O.S., delivers better personal productivity and digital entertainment on your PC through its improved reliability, security, and performance.



ATI Hybrid Graphics Technology

To provide better gaming performance than a single graphics card, the innovative design of ATI^a Hybrid Graphics Technology is capable to bring additional performance increase up to 1.75X by enabling the power of both integrated graphics core and the add-on graphics card simultaneously.



Dual core

Outperforms single-core processors on most multithreaded applications while running at lower clock speeds and consuming less power.



PCI EXPRESS 2.0

The exceptionally increased interconnect bit rate from 2.5GT/s up to 5.0GT/s would effectively eliminates the bottle neck of the system performance and brings the most terrific computing experience from the present to the future.



HDMI

The interface supports existing high-definition video formats(720p, 1080i, and even 1080p), plus multi-channel digital audio on a single cable. Combination with HDCP, provides a secure audio/video interface that meets the security requirements of content providers and systems operators.



Over-Clocking

Maximizes your system performance by selecting from these overclocking options:

- (1) Flexible voltage adjustments
- (2) Adjustable ratio and Freq

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CPU

- ▶ AMD Phenom™II / Phenom™ processor (Socket AM2+)
- ▶ AMD Athlon™ 64 X2 Dual Core/ Athlon™ 64 / Sempron processor
- ▶ High-performance HyperTransport 3.0 CPU Interface
- ▶ Support transfer rate up to 5200 mega-transfers per second
- ▶ Note: This board supports CPU up to 95W TDP only; you can refer to [AMD website](#) to check your CPU.
- ▶ **AM3 Ready**

CHIPSET

- ▶ AMD® 780G & AMD® SB700
- ▶ North Bridge: AMD® 780G
- ▶ South Bridge: AMD® SB700

GRAPHICS

- ▶ **On Chip (AMD 780G-based with ATI™ Radeon HD3200 graphics)**
- ▶ **Integrated DirectX10 graphics processor**
- ▶ Max Dynamic Hyper Memory: 1920MB

MEMORY

- ▶ Dual-channel DDR2 800 memory architecture
- ▶ 4 x 240-pin DDR2 DIMM socket support up to 32GB*
- ▶ **Support DDR2 1066/800/667/533/400 DDR2 SDRAM**
- ▶ *** (Due to the DRAM maximum size is 2GB at present, the memory maximum size we have tested is 8GB)**

EXPANSION SLOT

- ▶ 1 x PCI Express x16 slot
- ▶ 2 x PCI Express x1 slots
- ▶ 3 x PCI slots

STORAGE

- ▶ Support by AMD SB700
 - 2 x Ultra DMA133/100/66 devices
 - 5 x Serial ATA 3.0Gb/s devices
 - RAID0, RAID1, RAID10 configuration

AUDIO

- ▶ Compliant with HD audio specification
- ▶ IDT 92HD206 8-channel audio CODEC

LAN

- ▶ Atheros L1 Gigabit Fast Ethernet NIC

REAR PANEL I/O

- ▶ 1 x PS/2 keyboard & PS/2 mouse connectors
- ▶ 1 x External SATA port
- ▶ 6 x USB ports
- ▶ 1 x Gigabit Ethernet Port
- ▶ 1 x Audio port (Line-in, Line-out, Mic-in)
- ▶ 1 x VGA port

INTERNAL I/O CONNECTORS & HEADERS

- ▶ 1 x HDMI Port
- ▶ 1 x FDD connector
- ▶ 5 x Serial ATA connectors
- ▶ 1 x 24-pin ATX Power Supply connector
- ▶ 1 x 4-pin ATX 12V connector
- ▶ CPUFAN/PWRFAN/SYSFAN connectors
- ▶ 1 x IDE connector
- ▶ 1 x Speaker header
- ▶ 1 x Front panel switch/LED header
- ▶ 1 x Front panel audio header
- ▶ 1 x SPDIF out header
- ▶ 1 x CD in header
- ▶ 3 x USB 2.0 headers support additional 6 USB ports
- ▶ 1 x COM1 header

SYSTEM BIOS

- ▶ AMI BIOS with 8Mb SPI ROM
- ▶ Supports Plug and Play, STR/STD, Hardware monitor, Multi Boot, DMI, HDCP
- ▶ Supports ACPI revision 3.0 specification

FORM FACTOR

- ▶ ATX Size, 305mm*220mm

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