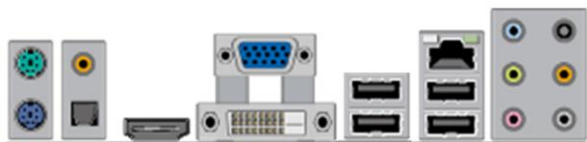


Mainboard Diagram



HZ03

1. AMD™ RS 880G Chipset and AMD™ SB710 Chipset
2. Supports AMD AM3 Series processors
3. Integrated ATI Radeon™ HD 4250 Graphics (Support DirectX 10.1)
4. Supports ATI Hybrid Graphics Technology
5. Supports ATI CrossFireX Technology
6. **Support G.P.I Technology**
7. **Support 3D Audio Technology**
8. Supports Dual Channel DDR3 1600/1333/1066MHz
9. Integrated Serial ATA2 3Gb/s with RAID function
10. Integrated Gigabit LAN
11. Integrated ALC883 HD Audio CODEC with 8-CH
12. CPU Vcore 7-Shift / DVI Port/HDMI port/VGA port
13. Support ACPI S3
14. **Integrated DDR3 128MB side port memory**
15. Micro ATX Form Factor (245mm x 245mm)



Features and Benefits

AMD 880G Chipset

The AMD 880G Chipset with ATI Radeon™ HD 4250 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 experience¹, the ATI Radeon™ HD 4250 Graphics with AMD 880G Chipset transforms your PC into a digital media powerhouse

Hyper Transport Technology 3.0

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.

ATI Hybrid Graphics Technology

To provide better gaming performance than a single graphics card, the innovative design of ATI[®] 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

AMD New generation of 45nm AMD Socket AM3 processors

The 45nm AM3 processors that support Hyper Transport 3.0 Bus and integrate DDR2 & DDR3 memory controller, To provide advanced visual design and modeling, serious gaming, and visually stunning digital media and entertainment.

GPU Clock Adjustable

Onboard VGA can over-clocking

Serial ATA2 3Gb/s&RAID

This platform supports reliable storage solution for enhanced data protection and data accessing performance. Serial ATA 3Gb/s is firstly introduced in this platform to provide blazingly 3Gb/s bus bandwidth thus higher disk performance. The SATA RAID allows multi-disk designs

to be set up as RAID 0, 1,10 based on users' priority of protection/performance, and which even makes more accessible by introducing the innovative windows-based facility

PCI-Express Gigabit LAN

Delivers transfer speed ten times faster than conventional 10/ 100 Ethernet connections, supporting a high transfer rate up to Gigabit/s.

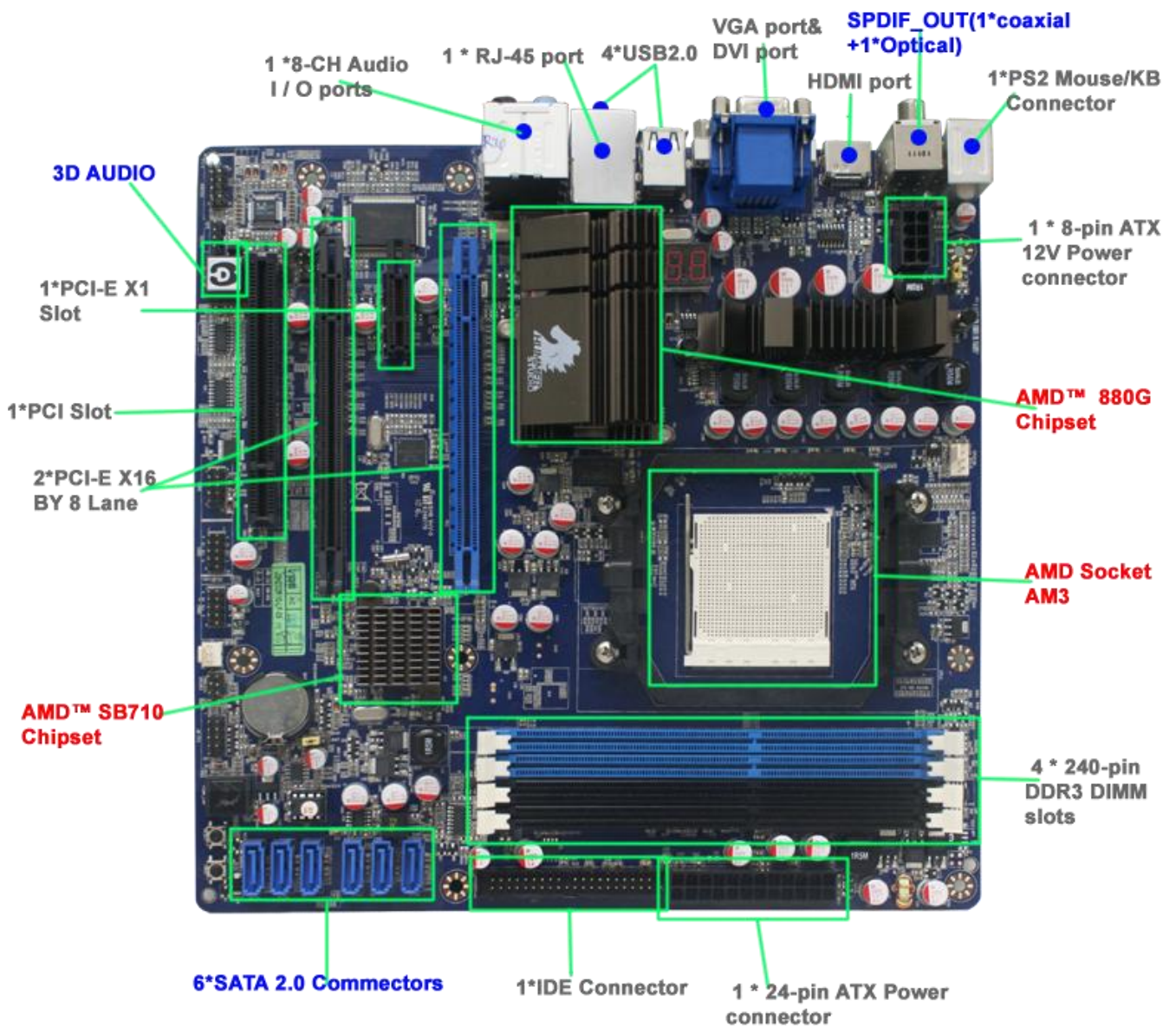
Gigabit LAN is the networking standards for the future and is ideal for handing large amount of data such as video, audio, and voice

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 Vcore 7-Shift / Shift to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded in 31 stages for the precisely hardware dynamic over-clocking of demanding computing performance.



Mainboard Specifications

■ CPU	Supports AMD Socket AM3: <ul style="list-style-type: none"> ■ AMD AM3 Series processors
■ Chipset	<ul style="list-style-type: none"> ■ AMD™ 880G Chipset + AMD™ SB710 Chipset
■ Hyper Transport Bus	<ul style="list-style-type: none"> ■ HT 3.0
■ Memory	<ul style="list-style-type: none"> ■ Dual Channel DDR3 memory technology ■ 4 * 240-pin DDR3 DIMM slots ■ Supports DDR3 1600/1333 MHz non-ECC ,un-buffered memory ■ DDR3 Max.8GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 1 * 32-bit PCI slot ■ 2 * PCI Express 2.0 x16 slots by 8-LANE ■ 1 * PCI Express x1 slot
■ Storage	AMD™ SB710 Southbridge Chipset : <ul style="list-style-type: none"> ■ 6 * Serial ATA2 3Gb/s connectors ■ Supports HDDs with RAID 0, 1,10 functions ■ 1 * Ultra DMA 133 / 100 / 66 IDE connector
■ Audio	<ul style="list-style-type: none"> ■ Realtek ALC883 HD Audio CODEC with 8-Channel
■ Ethernet LAN	<ul style="list-style-type: none"> ■ Realtek RTL8111DL PCI Express Gigabit LAN
■ USB	<ul style="list-style-type: none"> ■ Embedded 8 * USB 2.0/1.1
■ Special Features	<ul style="list-style-type: none"> ■ Support G.P.I Technology ■ Support CPU Smart FAN & D.I.Y Switch x3 & Debug Port ■ Support 3D Audio Technology
■ Rear Panel I / O	<ul style="list-style-type: none"> ■ 4 * USB 2.0/1.1 ports ■ 1 * PS/2 mouse port ■ 1 * PS/2 keyboard port ■ 1 * VGA port & 1 * DVI port & 1 * HDMI port ■ 1 * RJ-45 port ■ 1 * Audio I / O ports ■ 1 * SPDIF_OUT1 port & 1 * SPDIF_OUT2 port
■ Internal I / O	<ul style="list-style-type: none"> ■ 2* USB 2.0/1.1 headers for 4 USB 2.0/1.1 ports ■ CPU / Chassis Fan connectors ■ 1 * 8-pin ATX 12V Power connector ■ 1 * 24-pin ATX Power connector ■ 1*front Audio header ■ 1*COM header ■ 1 * IDE connector ■ 1 * HDMI_SPDIF header & 1 * IR header
■ BIOS	<ul style="list-style-type: none"> ■ AMI 8MB DIP Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ■ Micro ATX Form Factor (245mm x 245mm)



Product Accessories

Manual

USER'S MANUAL

CD



IO Shield



4 in 1

