

2011

Mainboard

Product Launch Guide

--[TA980AG]

Thunder Series Motherboard

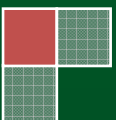
AMD™ 880G Chipset and AMD™ SB850 Chipset

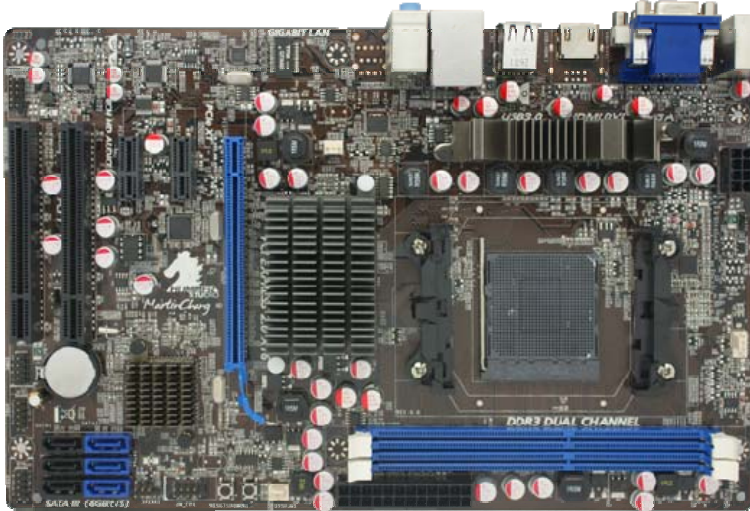


Jetway Information Co., Ltd.

www.jetway.com.tw

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1. AMD™ 880G Chipset and AMD™ SB850 Chipset
2. Support AMD™ AM3/AM3+ series Processors
3. Support PCI-Express 2.0
4. Integrated ATI Radeon HD 4250 GPU
5. Support Dual Channel DDR3 1333/1066
6. Support 6 * Serial ATA3 Devices
7. Integrated HD Audio CODEC with 6-CH
8. Integrated Gigabit LAN
9. Support Core Enhancer Function
10. Support Thunder Protection Function
11. 3+1 Phase CPU Power Support



Features and Benefits

Thunder Protection Technology from Jetway Thunder Series Motherboard

Jetway Thunder series motherboards are integrated with double thunder-protection walls, one from network port and the other from LAN chip. The first thunder-protection wall will analyze and identify thunderbolt surges in network cable when it thunders and transfer thunder surge to ground wire area. The second thunder-protection wall will protect against any residual electric current or runaway electrons to ensure safety of network card and other components from the motherboard.

Laboratory test statistics on IEC61000-4-5 (1.2-50us) specialized thunderbolt surge tests have verified that Jetway Thunder series motherboard can endure up to 9KV thunderbolt surge and protect the system from possible thunder damage.

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

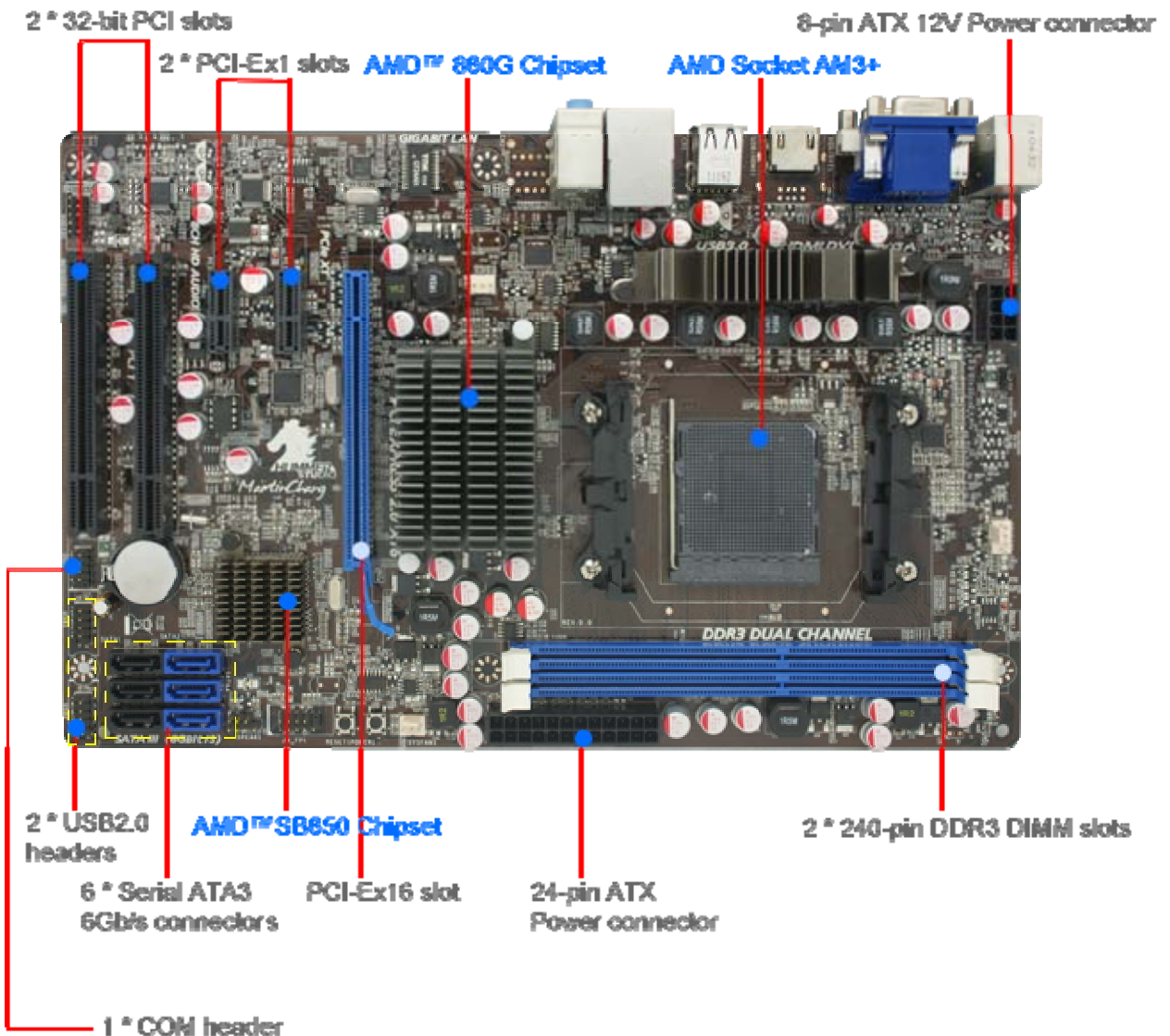
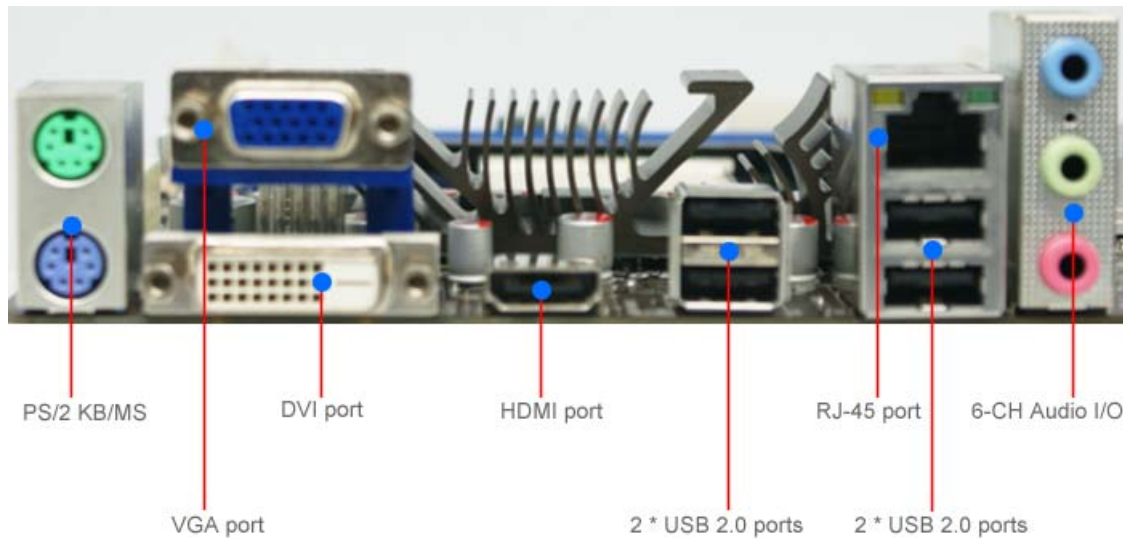
The highly scalable Hyper Transport 3.0 is capable to provide incredible bandwidth of the system bus up to 20.8GB/s which would dramatically elevate the efficiency of computing performance.

PCI Express 2.0 Buses

The PCI Express 2.0 x16 graphics delivers up to 8 GB/s per direction, 2 times more bandwidth than PCI Express x16 and up to 16 GB/s concurrent bandwidth. PCI Express x1 I/O offers 1GB/s concurrently, over 7 times more bandwidth than AGP8X, tackling the most demanding multimedia tasks nowadays

Serial ATA3 6Gb/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



Motherboard Specifications

■ CPU	Support AMD Socket AM3+: <ul style="list-style-type: none"> ■ Support AMD™ AM3 series processors ■ Support AMD™ Zambezi(AM3+) series Processors
■ Chipset	<ul style="list-style-type: none"> ■ AMD™ 880G Chipset and AMD™ SB850 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 ■ 2 * 240-pin DDR3 DIMM slots ■ Support DDR3 1333/1066 non-ECC ,un-buffered memory ■ Max.8GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 1 * PCI Express 2.0 x16 slot ■ 2 * PCI Express x1 slots ■ 2 * 32-bit PCI slots
■ Storage	AMD™SB850 Southbridge Chipset : <ul style="list-style-type: none"> ■ 6 * Serial ATA3 6Gb/s connectors ■ Supports HDDs with RAID 0, 1,5,10,JBOD functions
■ Audio	<ul style="list-style-type: none"> ■ 6-Channel HD Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> ■ PCI-E Gigabit LAN
■ USB	<ul style="list-style-type: none"> ■ Embedded 8 * USB 2.0
■ Special Features	<ul style="list-style-type: none"> ■ Support CPU Smart FAN Function ■ Support Core Enhancer Function ■ Thunder Protection Function
■ Rear Panel I / O	<ul style="list-style-type: none"> ■ 4 * USB 2.0 ports ■ 1 * PS/2 KB/MS port ■ 1 * RJ-45 port ■ 1 * VGA port / 1 * DVI port / 1 * HDMI port ■ 1 * Audio I / O port
■ Internal I / O	<ul style="list-style-type: none"> ■ 2 * USB 2.0 headers for 4 USB 2.0 ports ■ CPU / Chassis Fan connectors ■ 1 * 8-pin ATX 12V Power connector ■ 1 * 24-pin ATX Power connector ■ 1 * Audio header ■ 1 * COM header ■ 1 * HDMI_SPDIF header ■ On board power on button and reset button
■ BIOS	<ul style="list-style-type: none"> ■ 16MB DIP Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ■ ATX Form Factor (295 X 190 mm)

For further information please visit the website at <http://www.jetway.com.tw>

The Specification may be changed without further notice.

Product Accessories

CD	Manual	IO Shield	SATA Cable
			 x2