

2011

# Mainboard

## Product Launch Guide

# --[TN68M]

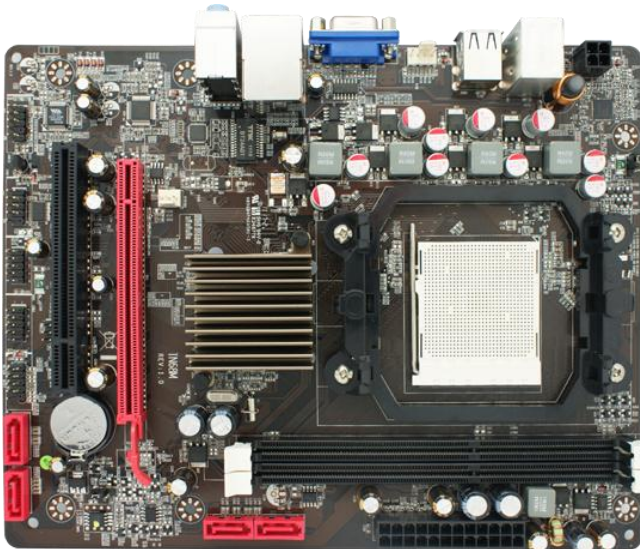
Thunder Series Motherboard



Jetway Computer Corp.  
[www.jetwaycomputer.com](http://www.jetwaycomputer.com)

DATE: Wednesday, March 23, 2011





1. NVIDIA® nForce 7025-630a(MCP68S) chipset
2. Support Athlon II Series & Phenom II Series CPU
3. Support HTT 1000MHz
4. Integrated GeForce™6200 Graphics
5. Supports Dual Channel DDR3 1333/1066
6. Support 4 Serial ATA2 Devices with RAID function
7. Support 10/100m LAN
8. Integrated 6-Channel Audio CODEC
9. Support NVIDIA Pure Video technology
10. Anti-lightning strike function
11. 3+1 Phase CPU Power Support
12. Mini ATX Form Factor ( 177x225 mm )



## 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.

### PCI Express x16 Slot @ 16-LANE Bandwidth for PCI Express Interface VGA Cards

Designed to run with the next-generation PCI Express bus architecture; the motherboard offers 1 PCI Express x16 slot with 16 lanes bandwidth to support PCI-Express interface compatible add-in cards.

### CPU Thermal Throttling / The Anti-superheated CPU protection Technology

To prevent the increasing heat from damaging of CPU while the activation of the Bi-turbo technology, the CPU Thermal Throttling Technology will make CPU be idling from 87.5% to 12.5% by manually preset CPU operating temperature from 40°C to 90°C. When the system senses the climbing operating temperature of CPU over the value preset, CPU Thermal Throttling Technology will narrow the operating bandwidth of CPU actively to low down the temperature to the value preset as the perfect protection system of hardware dynamic over-clocking technology.

### Serial ATA2 with RAID

Serial ATA2 is an evolutionary replacement for the Parallel ATA physical storage interface. Users of the Serial ATA2 interface benefit from greater speed, simpler upgradeable storage devices and easier configuration. Integrated Serial ATA2 controller of high-speed data transfers at up to 300 MB/s for each port and optional available on different model is RAID 0 and RAID 1 support.

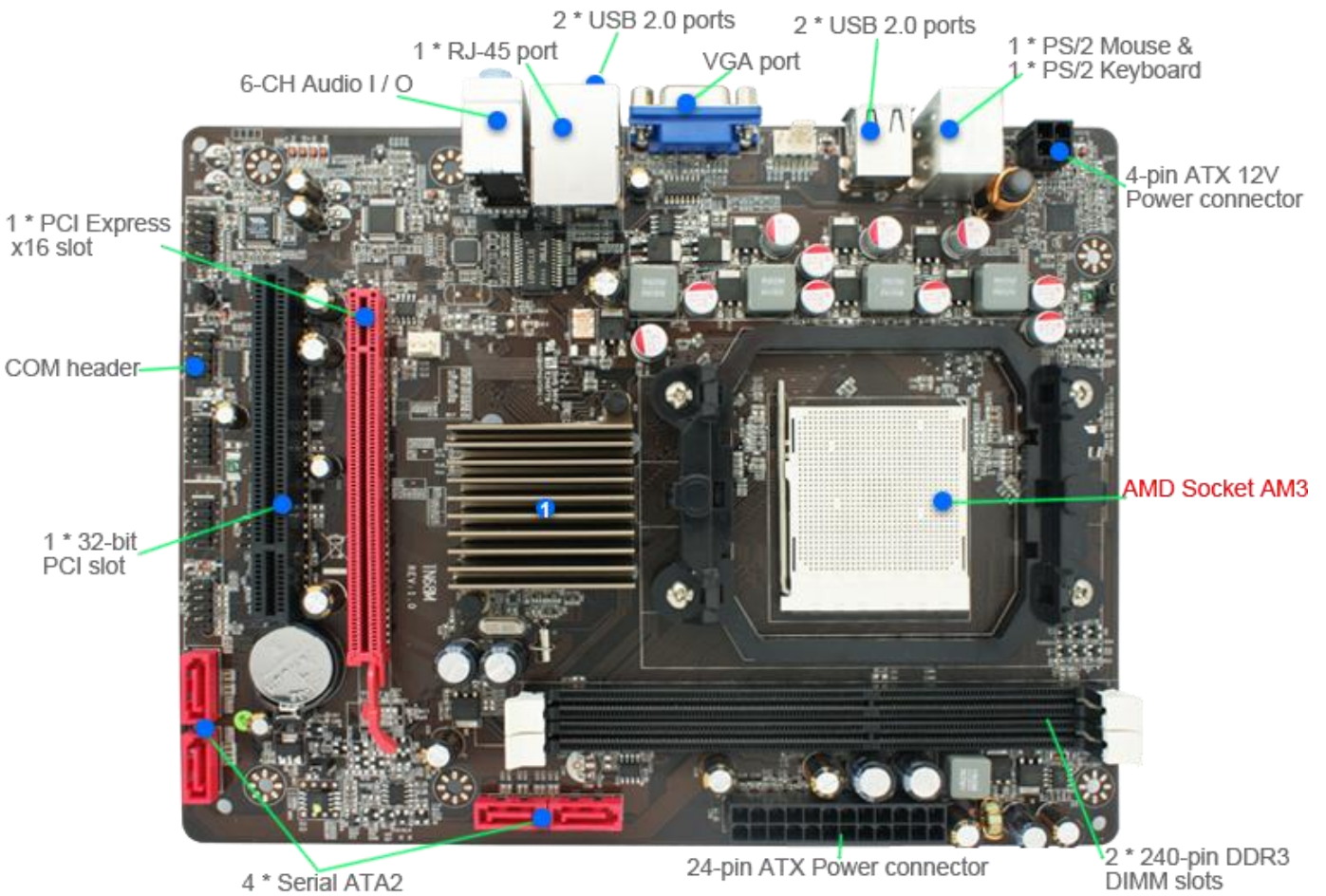
## Motherboard Specifications

■ CPU	<b>Supports AMD Socket AM3:</b> <ul style="list-style-type: none"> <li>■ Support Athlon II Series &amp; Phenom II Series CPU</li> </ul>
■ Chipset	<ul style="list-style-type: none"> <li>■ NVIDIA® nForce 7025-630a(MCP68S) chipset</li> <li>■ FSB: 1000 MHz</li> </ul>
■ Memory	<ul style="list-style-type: none"> <li>■ Dual Channel DDR3 memory technology</li> <li>■ 2 * 240-pin DDR3 DIMM slots</li> <li>■ Supports DDR3 1333/1066 non-ECC ,un-buffered memory</li> <li>■ Max.16GB</li> </ul>
■ Expansion Slots	<ul style="list-style-type: none"> <li>■ 1 * 32-bit PCI Slot</li> <li>■ 1 * PCI EXPRESS x16 Slot by 16-LANE</li> </ul>
■ Storage	<b>AMD™SB850 Southbridge Chipset :</b> <ul style="list-style-type: none"> <li>■ 4 * Serial ATA2 3Gb/s connectors</li> <li>■ Supports HDDs with RAID 0,1 functions</li> </ul>
■ Audio	<ul style="list-style-type: none"> <li>■ 6-Channel Audio CODEC</li> </ul>
■ Ethernet LAN	<ul style="list-style-type: none"> <li>■ PCI Express 10M / 100M LAN</li> </ul>
■ USB	<ul style="list-style-type: none"> <li>■ Embedded 8 * USB2.0 / 1.0 ports</li> </ul>
■ Special Features	<ul style="list-style-type: none"> <li>■ CPU Smart FAN Support</li> <li>■ Anti-lightning strike function</li> </ul>
■ Rear Panel I / O	<ul style="list-style-type: none"> <li>■ 4 * USB2.0 ports</li> <li>■ 1 * VGA port</li> <li>■ 1 * PS/2 Mouse &amp; 1 * PS/2 Keyboard</li> <li>■ 1 * RJ-45 port</li> <li>■ 1 * Audio I / O</li> </ul>
■ Internal I / O	<ul style="list-style-type: none"> <li>■ 2 * USB headers for 4 * USB2.0 ports</li> <li>■ 1 * COM header</li> <li>■ CPU / Chassis Fan connectors</li> <li>■ 1 * 12V 4-pin ATX Power connector</li> <li>■ 1 * 24-pin ATX Power connector</li> <li>■ 1 * HDMI_SPDIF header</li> <li>■ 1 * AUDIO I/O</li> </ul>
■ BIOS	<ul style="list-style-type: none"> <li>■ 16MB SMTx1 Flash ROM</li> </ul>
■ Form Factor	<ul style="list-style-type: none"> <li>■ ATX Form Factor (230 mm X 305 mm)</li> </ul>

- For further information please visit the website at <http://www.jetwaycomputer.com>
- The Specification may be changed without further notice.

**Product Accessories**

CD	Manual	IO Shield	SATA Cable



① nForce 7025-630a(MCP68S) chipset