

Mainboard Diagram



M28GT3-SDG

- NVIDIA GeForce7025/nForce630A (MCP68S) Chipset
- Support Socket AM2 64-bit dual core AMD Athlon™64 X2
- Integrated Geforce 7025 GFX Core processor
- Support HTT 1000MHz
- Advanced 3-Phase PWM Design
- Dual Channel DDR2 800 Memory DIMMs Supported
- Support 4 Serial ATA2 Devices with RAID 0, 1, 0+1, 5, JBOD
- Support DVI Output
- Gigabit LAN Supported
- Azalia 8 Channel Audio CODEC
- CPU Vcore 7-Shift
- Micro ATX Form Factor



Features and Benefits

Socket AM2 64-bit AMD Athlon™ 64 Processor with HyperTransport™ Technology

AMD64, a revolutionary technology, allow the processor to run 32-bit applications at full speed while enable a new generation of powerful 64-bit software applications. HyperTransport™ technology can increase overall system performance by removing I/O bottlenecks, increasing system bandwidth, and reducing system latency.

NVIDIA GeForce7025/nForce630A (MCP68S) chipset

These chips are supposed to run the Microsoft Windows Vista Premium powered machine and they also support DVI out. The integrated graphics is based on Geforce 7 technology and it supports DirectX 9.0c and Shader model 3.0. Ramdac works at 300 MHz that is enough for 1920x1440 resolution at 75 Hz. The integrated graphics supports Pure Video and HD H.264 video up to 720P. The various boards support Nview multi display technology and VGA+DVI-D or VGA + DVI-I combinations are possible.

CPU Thermal Throttling / The Anti-superheated CPU protection Technology

To prevent the increasing heat from damaging of CPU, 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.

Pro Magic Plus System Recovery Software Embedded

Restore important data back right away, allowing your system to be operated under a safe environment. This amazing software not only provides convenient instant restoration, but also brings data back to the preferred state at any specific time point as you wish. Moreover, it combines several other functions such as anti-virus, backup software; uninstall software, multi-booting etc. to satisfy your needs of all sorts of system protections. No more worries on new virus or system failure!

PCI Express Buses

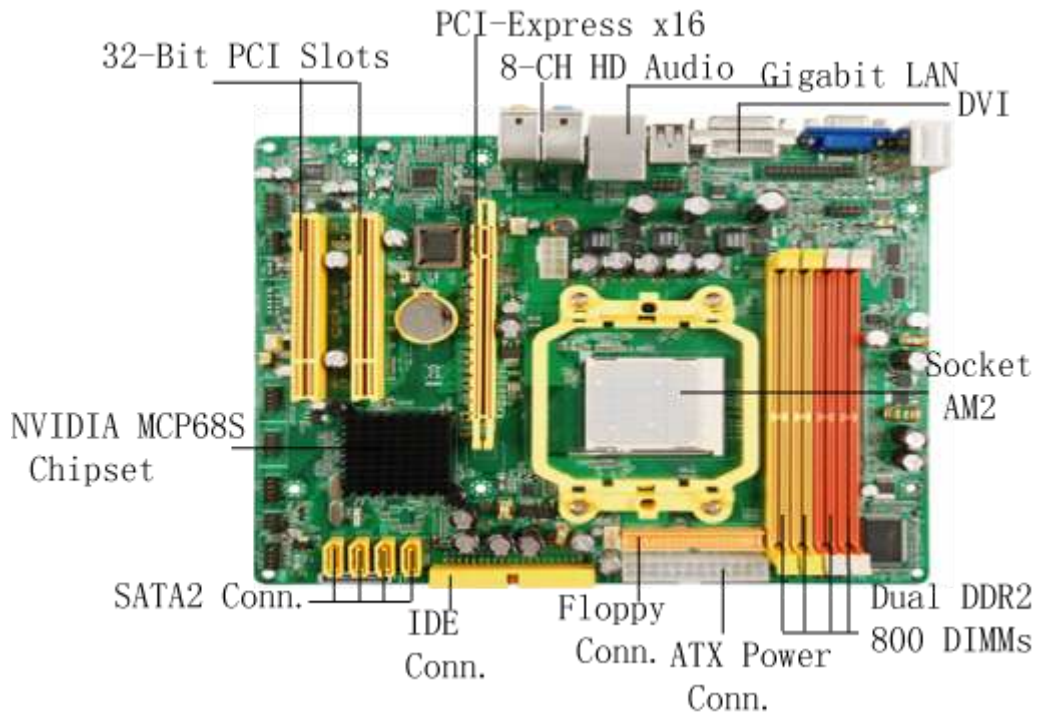
The PCI Express x16 graphics delivers up to 4 GB/s per direction, 3.5 times more bandwidth than AGP8X and up to 8 GB/s concurrent bandwidth. PCI Express x1 I/O offers 500 MB/s concurrently, over 3.5 times more bandwidth than PCI at 133 MB/s, tackling the most demanding multimedia tasks nowadays.

CPU Vcore 7-Shift / Shift to the scalabilities and flexibilities

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

Rear I / O





Mainboard Specifications

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| ■ CPU | <ul style="list-style-type: none"> ■ Socket AM2 HTT 1000 MHz AMD® Athlon™64 With HyperTransport Technology ■ Compatible with 64-bit Dual Core AMD® Athlon™64 X2 Processor |
| ■ Chipset | <ul style="list-style-type: none"> ■ NVIDIA GeForce7025/nForce630A (MCP68S) single chipset |
| ■ Memory | <ul style="list-style-type: none"> ■ 4 * 240-pin DIMM Sockets for unbuffered Dual DDR2 800 SDRAM up to 8 GB |
| ■ Expansion Slots | <ul style="list-style-type: none"> ■ 2 * 32-bit PCI Slots / 1* PCI EXPRESS x16 Slots |
| ■ Storage | <ul style="list-style-type: none"> ■ 2 * Ultra DMA 133 / 100 / 66 IDE Devices Support ■ Embedded GeForce7025/nForce630A Chipset Supports 4 Serial ATA2 Devices with RAID Functions. |
| ■ Audio | <ul style="list-style-type: none"> ■ Realtek ALC861 8-Channel Azalia Audio CODEC |
| ■ Ethernet LAN | <ul style="list-style-type: none"> ■ Realtek RTL8111B PCI-E Gigabit NIC |
| ■ USB | <ul style="list-style-type: none"> ■ Embedded 10 * High Speed USB @ 480 Mbit / s |
| ■ Special Features | <ul style="list-style-type: none"> ■ Advanced Power Design that supports the latest Socket-AM2 CPU ■ "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System |
| ■ Rear Panel I / O | <ul style="list-style-type: none"> ■ 4 * High Speed USB Connectors @ 480 Mbit / s ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 1 * RJ45 Connector ■ 1 * Audio I / O ■ 1 * VGA Port ■ 1 * DVI port |
| ■ Internal I / O | <ul style="list-style-type: none"> ■ 3 * High Speed USB Connectors @ 480 Mbit / s for 6 USB 2.0 Ports ■ CPU / Chassis Fan Connectors; ■ 1 * 12V 8-pin ATX Power Connector and 1 * 24-pin ATX Power Connector ■ CD / AUX Audio in ■ 1 * HDTV Output Header ■ 1 * Serial Port Header ■ 1 * Parallel Port Header |
| ■ BIOS | <ul style="list-style-type: none"> ■ Award 4 MB Flash ROM |
| ■ Form Factor | <ul style="list-style-type: none"> ■ Micro ATX Form Factor |