

Mainboard Diagram



M28GT4-D3

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. **Support Dual Channel DDR3 1333 Memory DIMMs**
6. Support 4 Serial ATA2 Devices with RAID function
7. Support 10/100m LAN
8. Integrated 6-Channel Audio CODEC
9. **3+1 Phase CPU Power Support**
10. Support NVIDIA PureVideo technology
11. Micro ATX Form Factor(195 * 245mm)

Features and Benefits

Socket AM3 Processor with HyperTransport™ 3.0 Technology

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

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.

Mainboard Specifications

■ CPU	■ Support Athlon II Series & Phenom II Series CPU
■ Chipset	■ NVIDIA® nForce 7025-630a(MCP68S) chipset
■ Memory	■ 2 * 240-pin DIMM Sockets for unbuffered Dual DDR3 1333 SDRAM up to 4 GB
■ Expansion Slots	■ 2 * 32-bit PCI Slots / 1 * PCI EXPRESS x16 Slot @ 16-LANE
■ Storage	NVIDIA MCP68S Single Chipset : <ul style="list-style-type: none"> ■ 4 * Serial ATA2 3Gb/s connectors ■ Supports HDDs with RAID 0,1,5,0+1 functions ■ 1 * Ultra DMA 133 / 100 IDE connector
■ Audio	■ Realtek 6-Channel Audio CODEC
■ Ethernet LAN	■ Realtek RTL 8103EL PCI-E 10m/100m LAN
■ USB	■ Embedded 10 * High Speed USB2.0 Connectors
■ Special Features	■ "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
■ Rear Panel I / O	<ul style="list-style-type: none"> ■ 4 * High Speed USB2.0 Connectors ■ 1 * VGA port ■ 1 * COM port ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 1 * RJ-45 port ■ 1 * Audio I / O
■ Internal I / O	<ul style="list-style-type: none"> ■ 3 * USB2.0 Connectors for 6 USB 2.0 Ports ■ CPU / Chassis Fan connectors ■ 1 * 12V 4-pin ATX Power connector ■ 1 * 24-pin ATX Power connector ■ CD / AUX Audio in ■ 1 * HDMI_SPDIF header
■ BIOS	■ AMI 8MB SMT Flash ROM
■ Form Factor	■ Micro ATX Form Factor

Product Accessories



