

Mainboard Diagram



M26GT4D3

1. NVIDIA® NF6100-430 (MCP61P) Chipset
2. **Support AMD Socket AM3**
3. Support HTT 1000MHz
4. Integrated GeForce™6100 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. Support NVIDIA PureVideo technology
10. 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.

NVIDIA® NF6100-430 (MCP61P) / The ultimate enthusiast platform

NVIDIA® NF6100-430 (MCP61P) single chip technology based Motherboards are industry's first motherboards with Microsoft® DirectX® 9.0 Shader Model 3.0 capability. NVIDIA GeForce 6 Series GPUs deliver ultra-realistic effects and unmatched multimedia functionality for an incredible PC experience on popular games and multimedia applications. By implementing the next-generation PCI-Express bus architecture and Serial ATA2 devices supported features for the scalability and flexibility of the expansionary abilities of the outstanding motherboards

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.

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.

Mainboard Specifications

■ CPU	■ Socket AM3 HTT 1000 MHz With HyperTransport™ 3.0 Technology
■ Chipset	■ NVIDIA® NF6100-430 (MCP61P) Single 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 MCP61P 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 / 66 IDE connector
■ Audio	■ Realtek ALC662 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 LAN ■ 1 * Audio I / O
■ Internal I / O	<ul style="list-style-type: none"> ■ 3 * High Speed USB2.0 Connectors 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 * HDMI_SPDIF header
■ BIOS	■ AMI 8MB SMT Flash ROM
■ Form Factor	■ Micro ATX Form Factor

