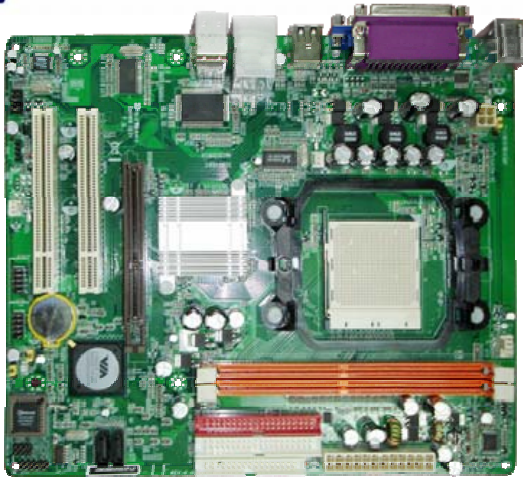


Mainboard Diagram



M28MS

- VIA® K8M800 Northbridge Chipset + VT8237RP Southbridge Chipset
- Support Socket AM2 64-bit Dual core AMD Athlon™64 X2 processor
- Support HTT 800MHz
- Support AGP8X Bus Compatible Add-in Cards
- Dual Channel DDR2 800 Memory DIMMs
- Support 2 Serial ATA Devices with RAID 0, 1
- Support Hyper8™ Technology
- Ethernet LAN Supported
- AC'97 6 Channel Audio CODEC
- ATX Form Factor



Features and Benefits

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

AMD64, a revolutionary technology allowing the processor to run 32-bit applications at full speed while enabling 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..

VIA® K8M800 Chipset and VT8237 Chipset deliver the Reliability and I/O Flexibility

Support the 800MHz Hyper Transport Technology, Dual DDR2 800MHz SDRAM, AGP 8X, USB 2.0, and 10 / 100 Ethernet Network Interface Controller. K8M8MS gets the balance between the System Reliabilities and Performance which extends the circle of usage to your system memories and graphic accelerators

Hyper8™ Technology Supported

VIA's ground breaking [Hyper8™ technology](#) provides a fast 16-bit/1.6GHz HyperTransport link between the K8T890 North Bridge and next generation 64-bit compatible platforms based around AMD Athlon™ 64 processors, achieving data transfers speeds of up to 6.4GB/s. Combined with the VIA VT8237RP South Bridge and VIA companion chips, the K8T890 enables an unparalleled range of cutting edge I/O and multimedia features

Integrated UniChrome Pro GFX

At the heart of the K8M800 North Bridge lies the all new S3 Graphics UniChrome™ Pro IGP, delivering a rich visual experience through the implementation of innovative features such as integrated MPEG-2 hardware acceleration for flawless digital media playback and a dual pixel pipeline, 128 bit 2D/3D engine with support for up to 64MB of shared 64/128bit DDR memory for robust 3D gaming and applications. The K8M800's highly flexible and scalable architecture also allows for an external AGP 8X port for optional graphic card upgrades.

Serial ATA RAID Supported

Serial ATA is an evolutionary replacement for the Parallel ATA physical storage interface. Users of the Serial ATA interface benefit from greater speed, simpler upgradeable storage devices and easier configuration. Integrated Serial ATA controller of high-speed data transfers at up to 150 MB/s for each port and optional available on different model is RAID 0, 1 and 0+1 support.

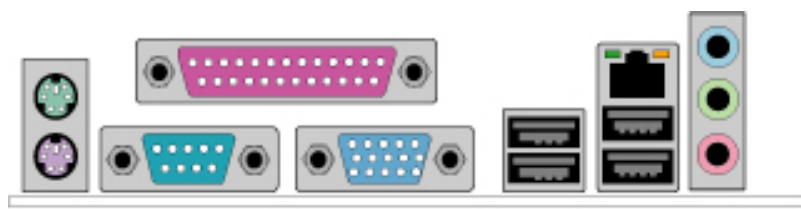
HyperT Tune

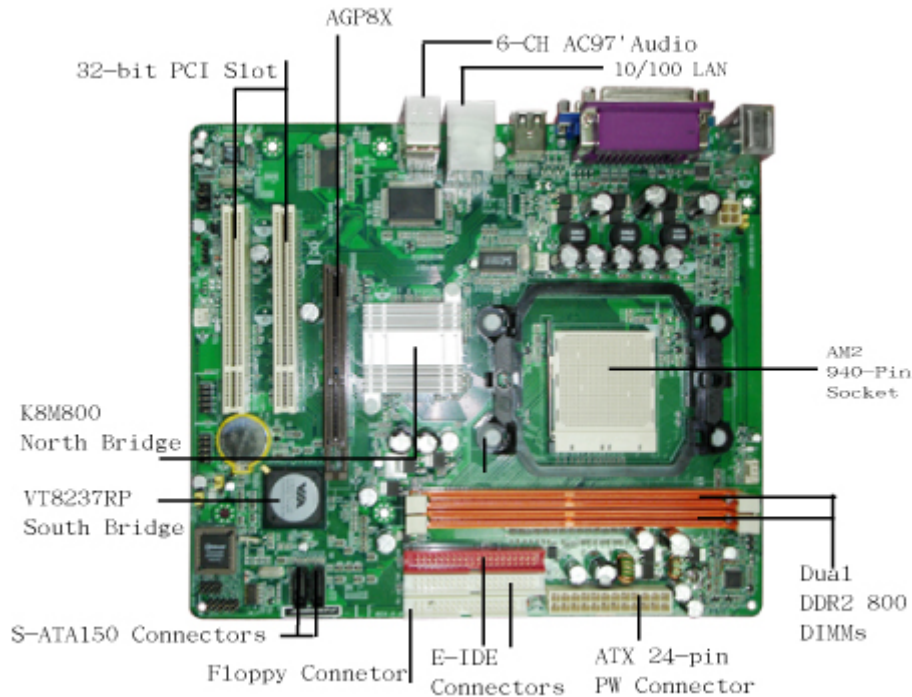
Adjustable CPU Ratio/ Frequency and Voltage for optimal and more stable over-clocking operation.

HyperV Tune

Adjustable DRAM and North Bridge Voltage for optimal and more stable over-clocking operation.

Rear I / O





Mainboard Specifications

■ 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"> ■ VIA®™ K8M800 Northbridge Chipset + VT8237RP Southbridge Chipset
■ Memory	<ul style="list-style-type: none"> ■ 2 * 240-pin DIMM Sockets for unbuffered Dual DDR2 800 SDRAM up to 4 GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 2 * 32-bit PCI Slots / 1 * AGP8X Slot
■ Storage	<ul style="list-style-type: none"> ■ 4 * Ultra DMA 133 / 100 / 66 IDE Devices Support ■ Embedded VIA™8237RP Southbridge Chipset Supports 2 Serial ATA HDDs with RAID Functions.
■ Audio	<ul style="list-style-type: none"> ■ VIA VT1617A 6-Channel AC 97' Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> ■ VIA VT6103 100 PCI LAN PHY
■ USB	<ul style="list-style-type: none"> ■ Embedded 4 + 4 * High Speed USB @ 480 Mbit / s
■ Special Features	<ul style="list-style-type: none"> ■ Advanced Power Design that supports the latest Socket-AM2 K8 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 * Serial Port ■ 1 * D-Sub 15-pin Connector ■ 1 * FDD Connector ■ 1 * Parallel Connector ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 1 * RJ45 Over USB2.0 Connector ■ 1 * Audio I / O
■ Internal I / O	<ul style="list-style-type: none"> ■ 2 * High Speed USB Connectors @ 480 Mbit / s for 4 USB 2.0 Ports ■ 1 * CPU Fan pin-header with 4-pin block; 2 * Chassis Fan pin-header with 3-pin block ■ 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector ■ CD / AUX Audio in
■ BIOS	<ul style="list-style-type: none"> ■ Award 4 MB Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ■ ATX Form Factor