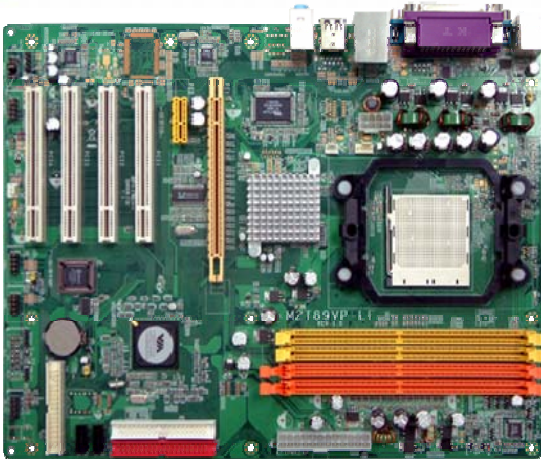


Mainboard Diagram



M2T-89VP

- VIA® K8T890 Northbridge Chipset + VT8237RP Southbridge Chipset
- Support Socket AM2 64-bit Dual core AMD Athlon™64 X2 processor
- Support HTT 1000MHz
- 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® K8T890 Chipset and VT8237RP Chipset deliver the Reliability and I/O Flexibility

The VIA K8T890 integrates VIA's Hyper8 technology supporting a 1GHz/16-bit HyperTransport processor-to-chipset link, that delivers up to 8GB/s of bandwidth to help ensure all AMD64 processor-based systems achieve their full performance potential. The VIA K8T890 chipset also utilizes asynchronous bus architecture, providing improved system optimization options to enable power users to squeeze the very most out of their systems.

For connectivity to the South Bridge the VIA K8T890 features a high bandwidth Ultra V-Link bus to allow communication between the chipset North and South bridges at a blazing 1GB/s. When combined with solutions such as the market-leading VIA VT8237R Plus South Bridge and a broad array of VIA companion chips, the VIA K8T890 chipset provides the most comprehensive range of storage, multimedia and connectivity features available for the AMD64 processor platform today, including native Serial ATA, 6-channel Audio, 10 / 100 Ethernet, and USB2.0

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

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.

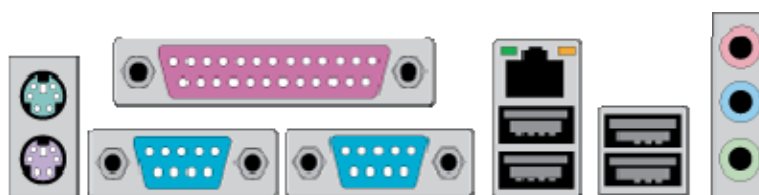
HyperT Tune

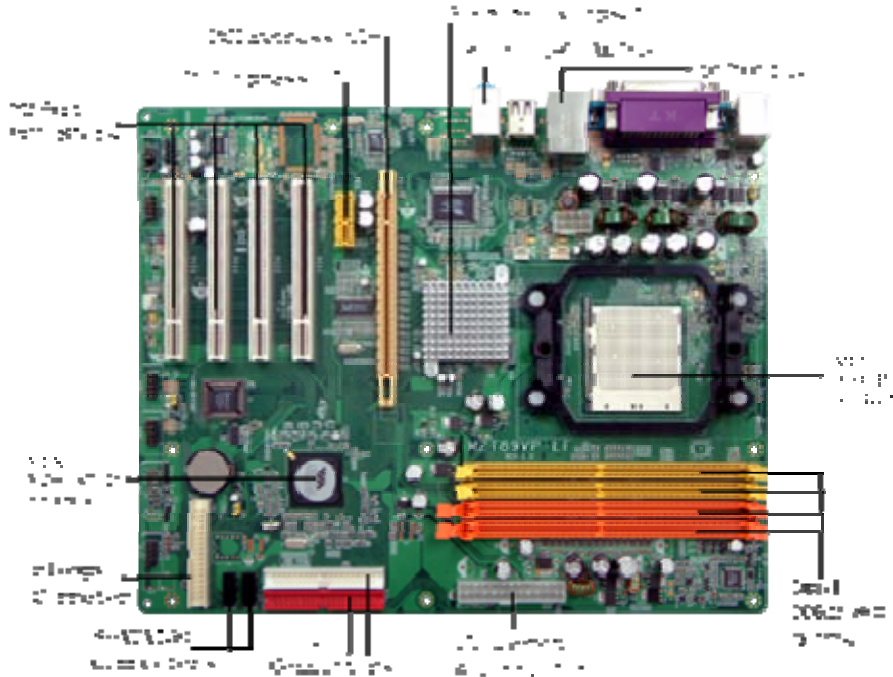
Adjustable CPU Ratio/ Frequency and Voltage for optimal and more stable over-clocking operation.

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®™ K8T890 Northbridge Chipset + VT8237RP Southbridge 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"> ■ 4 * 32-bit PCI Slots / 1 * PCI EXPRESS x1 / 1 * PCI EXPRESS x16 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 0, 1 Functions.
■ Audio	<ul style="list-style-type: none"> ■ Realtek ALC655 6-Channel AC 97' Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> ■ VIA VT6103L 10 / 100 PCI LAN PHY
■ USB	<ul style="list-style-type: none"> ■ Embedded 8 * 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 ■ 2 * Serial Port ■ 1 * FDD Connector ■ 1 * Parallel Connector ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 1 * RJ45 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 ■ CPU / Chassis Fan Connectors ■ 1 * 12V 8-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