

VMatrix P4MST-890 MATX Socket 775



- **CPU Support:** Intel Pentium 4 Prescott, Pentium D, Core 2 Duo, and Celeron-D LGA 775 processors
- **Bus Speed:** Support FSB 1066MHz
- **Expansion Slots:** 1 PCI-E 16X, 1 PCI-E 1X, and 2 32-bit PCI Slots
- **Max Memory:** 2 * 240-pin DIMM Sockets for unbuffered DDR2 400 / 533 SDRAM up to 4 GB
- **Chipset:** VIA P4M890+ VT8237A
- **IDE Controller:** Support 4 IDE and 2 Serial ATA Devices with RAID, Support RAID 0, 1, 0+1, JBOD (S-ATA)
- **Additional Features:** Integrated S3 Graphics UniChrome Processor, 8 USB2.0 Connectors Embedded, AC'97 6 Channel Audio CODEC, VIA 10/100 LAN Supported
- **Package Contents Include:** Mainboard, Manual, CD-ROM with Utilities and Drivers, 1-IDE Cable Supporting 2-IDE Devices, 1-SATA Cable, 1-FDD Cable Supporting 2-FDD Devices, Lifetime Warranty Registration Card.

Description

If you're building a powerhouse dual-core PC on a budget, our new Mach Speed P4MST-890 Matrix Socket 775 motherboard is the perfect platform. This efficient yet affordable mainboard works flawlessly with Intel Pentium 4 Prescott, Pentium D, Core2 Duo, and Celeron-D processors with up to 1066MHz FSB. Based on the VIA P4M890+VT8237A chipsets, this high-performance Micro ATX motherboard supports PCI-X 16x/1x, DDR2 400/533 memory up to 4GB, 10/100 LAN, SATA, RAID 0, 1, 0+1, JBOD, USB 2.0, 6-channel audio, and Integrated S3 Graphics UniChrome processor. Start your system build with top-quality motherboard that's priced to fit your budget – order the Mach Speed P4MST-890 Matrix Socket 775 motherboard.

General Specifications

- **Processor:**
 - Socket LGA 775
 - Supports Intel Core 2 Duo/Pentium D/Pentium 4/Celeron D Processor
 - Supports FSB 1066MHz
 - Support Intel Hyper-Threading Technology
- **Chipset:**
 - VIA® P4M890 North Bridge Chipset + VT8237 South Bridge Chipset
- **System Memory:**
 - 2 * 240-pin DIMM Sockets for unbuffered DDR 400 /533 SDRAM up to 2 GB
 - *PLEASE NOTE:*
 - *This motherboard DOES NOT support high density or ECC memory.*
 - *Use identical memory modules to use dual channel mode, and DO NOT use three individual sticks of memory as it may cause failures. Please use either 1 piece, 2 pieces, or 4 pieces. Refer to your manual for proper memory configurations for your motherboard.*
 - *Maximum memory speed may decrease when the following memory combination is used:*
 - *Each memory slot is installed with double-sided memory*
 - *Both DIMM1 and DIMM3 are installed with double-sided memory module (for motherboards with 4 DIMM sockets)*
 - *Due to resource usage by the South Bridge chipset, system memory may only detect up to 3.9 GB (not the full 4GB) when each DIMM is installed with a 1GB memory stick. To utilize a full 4GB of system memory, you will need to use 2x 2GB sticks of memory.*
- **Storage:**
 - 4 * Ultra DMA 133 / 100 / 66 / 33
 - Embedded VIA® VT8237A Chipset Supports 2 Serial ATA HDDs with RAID Functions.
 - Support RAID 0, RAID 1, RAID 0+1, and JBOD (S-ATA)
- **Special Features:**
 - Integrated VIA® S3 Graphics UniChrome Integrated Graphics Processor

- **Expansion Slots:**
 - 2 x PCI Slots
 - 1 x PCI-E x1 Slots
 - 1 x PCI-E x16 Slots
- **Onboard VGA:**
 - VGA memory share 16~64M from system memory
 - 24-bit true-color RAMDAC up to 250MHz pixed rate
- **Onboard LAN Controller:**
 - Realtek RTL8201CL - Integrated 10/100 Transceiver
- **Onboard Audio:**
 - Realtek ALC861 6-Channel HD Audio
- **I / O:**
 - 1 x PS/2 mouse
 - 1 x PS/2 keyboard
 - 4 x USB 2.0 Ports
 - 2 x USB 2.0 Headers
 - 1 x Serial Port
 - 1 x Parallel Port
 - 1 x VGA Port
 - 1 x LAN Port
 - 3 x Audio Port
 - 2 x SATA Connectors
 - 1 x Floppy Connector
 - 2 x IDE Connectors
 - 1 x CD-IN Header
 - 1 x S/PDIF-OUT Header
- **Onboard USB:**
 - Embedded 8, 4x I/O 4X front panel header
 - High Speed USB 2.0
- **Dimensions:**
 - Micro ATX Form Factor 19 cm X 24.4 (W x L)

Note: Click on the version number to download

Type	Version	Release Date	Description
Chipset	5.13a	08/27/2007	Windows Server 2003 x64, Windows Vista 32-Bit, Windows Vista 64-Bit, Windows XP, Windows XP 64-Bit, Windows 98, Windows 98SE, Windows ME, Windows 2000, Windows NT
Video	16.94.52.05	04/07/2007	Windows XP, Windows 2000
Audio	6.80b	03/11/2007	Windows XP 64-Bit, Windows Server 2003 x64, Windows XP, Windows 2000, Windows 98, Windows 98SE, Windows ME, Windows NT, DOS, Windows 95
Integrated Graphics	91.47	09/14/2006	Windows XP, Windows 2000
LAN	3.68	04/30/2007	Windows Vista 32-Bit, Windows Vista 64-Bit, Windows Server 2003 x64, Windows XP 64-Bit, Windows XP Embedded, Windows NT, Windows 98, Windows 98SE,

			Windows XP, Windows 2000, Windows ME



Download Manual

**- MACH SPEED motherboards carry a one year warranty to the reseller. Only the end users who purchase MACH SPEED motherboards from the reseller may upgrade at no charge for a lifetime warranty by registering by mail within 30 days of purchase. This warranty is nontransferable*