



Matrix MS945G-GLV ATX Socket 775

- **CPU Support:** Intel, Socket 775, Pentium 4, Celeron D, Core 2 Duo up to 3.8GHz
- **Expansion Slots:** 2 x PCI
1 x PCI Express x16
1 x PCI Express x1
- **Max Memory:** 4 x DDR2 slots
- **Chipset:** Intel 945G + ICH7
- **IDE Controller:** 2 x EIDE devices
Support Ultra DMA 33/66/100 Bus Master Mode
- **Additional Features:** , 6 Channel Audio, USB-4 Ports On board with 4 Headers On board for an additional 4, Total 8 USB 2.0, Package Contents Include: Mainboard, Manual, CD-ROM with Utilities and Drivers, 1-IDE Cable Supporting 2-IDE Devices, 1-FDD Cable Supporting 2-FDD Devices, 1-SATA Cable, Lifetime Warranty Registration Card.

Description

One of the hottest boards in the industry! Mach Speed's MS945-GLV Socket 775 platform is ready to launch your Intel Core 2 Duo system build with the latest technologies in the business. This outstanding Micro ATX board has been designed for LGA 775 CPUs including Intel Core2 Duo, Pentium 4, Pentium Enhanced Intel SpeedStep, Intel Extended D and Celeron D processors up to 3.8GHz and Hyper Threading Technology. Based on the Intel 945G chipset, The Mach Speed MS945-GLV supports 533/800/1066 FSB, DDR2 533/667 up to 4GB, SATA 2 (3.0 Gb/s transfer rate), PCI Express x16 and x1, onboard 6-channel audio and 10/100 LAN. Please see complete specifications below.

General Specifications

- **Processor:**
 - Supports LGA 775 processor for Intel Pentium® 4 (mPGA478) LGA 775 processor
 - Supports Celeron D, Prescott, Pentium D, and Core 2 Duo /Hyper-Threading CPU up to 3.8 GHz
- **Chipset:**
 - Intel 945G + ICH7
- **Onboard Video :**
 - Intel Graphics Media Accelerator 950
- **Expansion Slot:**
 - 2 x PCI
1 x PCI Express x16
1 x PCI Express x1
- **System Memory:**
 - Dual channel memory architecture
 - 4 x DDR2 slots
 - DDR2 667/533 memory
- **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.*
- **Onboard IDE :**
 - 2 x EIDE devices
 - Support Ultra DMA 33/66/100 Bus Master Mode
- **Onboard LAN Controller:**
 - Realtek RTL8100C 10/100 LAN
 - Realtek RTL8100SC 10/100/1000 LAN (OPTIONAL)
- **Onboard 3D Audio:**
 - Realtek ALC655 6-Channel AC97 CODEC
- **Onboard Ultra I/O:**
 - 8 x USB 2.0 Ports (4 x Rear, 4 x Front)
 - 1 x Floppy header
 - 1 x Front audio header
 - 1 x IrDA header
 - 1 x Lin-out/Lin-in/Mic
 - 1 x CD-In Connectors
 - 1 x S/PDIF Header
- **Onboard Serial ATA:**
 - 4 x SATA 1/2 connectors (up to 4 devices)
 - Data transfer rate up to 3G b/s
- **Onboard USB:**
 - 8 X USB2.0 Ports Connector
 - Supports USB Keyboards & USB Mice
- **Power Supply:**
 - Support 24-pin ATX power supply (ATX-PW)
 - Supports 4 pin (12V) ATX Power COnnection
- **Bios:**
 - Award BIOS , Supports Green function, Plug and Play Function
 - 4MBit Flash ROM
- **Dimensions:**
 - Micro ATX form factor
 - 24.4cm x 24.4cm (W x L)
 - 9.6in x 9.6in (W x L)

Type	Version	Release Date	Description
INF Driver	5.04A	02/07/07	Windows Server* 2003, Windows Server* 2003 Enterprise x64 Edition, Windows Server* 2003 Standard Edition, Windows Server* 2003 Standard x64 Edition, Windows Vista*, Windows Vista* 64, Windows Vista* Business, 32-bit version, Windows Vista* Business, 64-bit version, Windows Vista* Enterprise, 32-bit version, Windows Vista* Enterprise, 64-bit version, Windows Vista* Home Basic, 32-bit version, Windows Vista* Home Basic, 64-bit version, Windows Vista* Home Premium, 32-bit version, Windows Vista* Home Premium, 64-bit version, Windows Vista* Starter, 32-bit version, Windows Vista* Ultimate, 32-bit version, Windows Vista* Ultimate, 64-bit version, Windows* 2000 Advanced Server, Windows* XP Home Edition,

			Windows* XP Media Center Edition, Windows* XP Professional, Windows* XP Professional x64 Edition
Audio	1.00	05/10/07	Windows Vista 32/64 bit
Audio	A4.00	05/09/07	98se/ME/2000/XP/2003(32/64bit)



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*