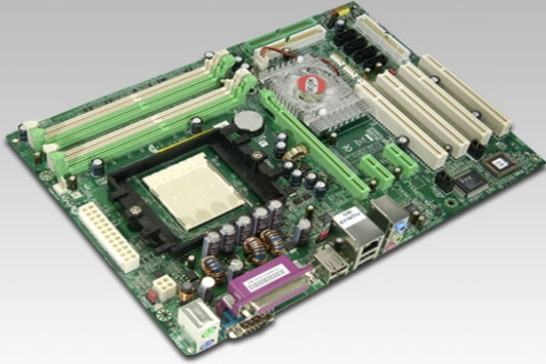


Viper MSNV-939 ATX Socket 939



- **CPU Support:** Supports AMD Athlon 64 FX/Athlon 64 X2/Athlon 64/Sempron Processor, socket 939
- **Bus Speed:** HT 2GHz AMD® Athlon™64 With HyperTransport Technology up to 2G
- **Expansion Slots:** 4 x PCI, 2 x PCI-E 1x, 1 x PCI-E x 16
- **Max Memory:** 4 x DDR SDRAM DIMMs
- **Chipset:** NVIDIA nForce4 (NF4-A9 A)
- **Additional Features:** ATX Form factor, 16x PCI-E, Onboard 6 Channel 3D Audio, 10/100 LAN 4-USB2.0 + 6 Add ports (10 total USB), 4-SATA 2 RAID 0, RAID 1

Description

Mach Speed's new MSNV-939 motherboard offers an affordable, high-end platform for an AMD Socket 939-based system. This efficient, scalable ATX mainboard is built for AMD's Athlon 64FX, Athlon 64 and Athlon 64 X2 processors, enabling simultaneous 32 and 64-bit computing. The Mach Speed MSNV-939 supports Hyper Transport Technology up to 2000MT/s full duplex, up to 4GB dual channel 333/400MHz DDR memory, SATA2 (300MB/s), PCI-Ex16, PCI-Ex1, PCI, 6-channel audio and Fast Ethernet LAN.

General Specifications

- **Processor:**
 - Socket 939
 - Supports AMD Athlon 64 FX/Athlon 64 X2/Athlon 64/Sempron Processor
 - Support AMD HyperTransport up to 2G
 - Supports AMD Cool'nQuiet Technology
- **Chipset:** NVIDIA nForce4 (NF4-A9 A)
- **Jumperless:**
 - Supports Jumperless Function by BIOS SETUP-allows user to easily change the CPU Frequency Setting.
- **Expansion Slot:**
 - 4 x PCI
 - 2 x PCI-E x 1
 - 1 x PCI-E x 16(Compatible)
- **System Memory:**
 - Maximum 4GB
 - 4 x DDR SDRAM DIMMs
 - Dual Channel DDR 266/333/400
 - **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.*
- **IDE/SATA :**
 - Up to 4 EIDE devices
 - Ultra DMA 66/100//133
 - SATA 2 SATA 1, RAID 0/1

- **Ethernet LAN**
 - Realtek RTL8201CL PHY- Integrated 10/100 transceiver
- **Onboard Audio:**
 - Realtek ALC655 6-Channel Audio
- **I/O:**
 - 1 x PS/2 Mouse, 1x PS/2 Keyboard port
 - 1 x Serial Port
 - 10 x USB 2.0 Ports (4 x Rear USB 2.0 , 6 x Front USB 2.0)
 - 3 x Audio Ports
 - 1 x RJ-45 LAN Jack
 - 1 x Floppy connection
 - 2 x IDE connection (Ultra ATA-133 Device)
 - 4 x SATA2 connections
 - 1 x S/PDIF Out connection
 - 1 x CD-in connection
 - 1 x System Fan connection
 - 1 x CPU Fan connection
 - 1 x Front Audio Header
 - 1 x Printer Port Header
- **Power Supply:**
 - Supports 24-pin ATX power supply (ATX-PW)
 - Supports ATX 12V Power Supply
- **Bios:**
 - Award BIOS , Supports Green function, Plug and Play Function
 - 4MB Flash ROM
- **Dimensions:**
 - ATX Form Factor: 20.8cm (W) x 29.35cm (L)

Note: Click on the version number to download

Type	Version	Release Date	Description
Unified Driver Package	6.86	09/08/2006	Windows XP, Windows 2000
Unified Driver Package	15.00	02/05/07	Windows Vista 32 bit
Unified Driver Package	15.00	02/05/07	Windows Vista 64 bit
Integrated Graphics	91.47	09/14/2006	Windows XP, Windows 2000
Audio	1.79	10/08/07	Windows 2000, Windows XP/2003(32/64 bits)
Audio	1.79	10/08/07	Windows VISTA 32/64 bit



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*