
Drivers

4

The chapter describes the features and basic system requirements for the VIA® chipset and Realtek® 8139C LAN controller, and how to install the drivers into your system.

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System Requirements

This section describes the basic system requirements for the VIA® and LAN drivers installation and usage.

CPU

Intel® Celeron™/Pentium !!! processor or higher

Chipset

VIA® VT8601A & VT686A/686B chipset

Monitor

VGA Support, minimum 640x480 resolution

Operating system

DOS 5.0 or higher, Windows® 95/98, Windows® NT3.51/4.0, OS/2®, Windows® 2000 or Windows® ME

CD-ROM

2X speed or above

VIA® Chipset

The MS-6368 is paired with the VIA® VT82C686A/686B south bridge. Highly advanced, the south bridge combines an integrated 2D/3D engine with DVD hardware acceleration, AC-97 audio support for SoundBlaster Pro and FM synthesis legacy audio.

Features

- AC'97 audio support for SoundBlaster Pro
- FM synthesis legacy audio
- 2D/3D Graphics Accelerator
- Support AGP 2X/4X Bus

VIA Chipset Driver Installation

Insert the provided CD disk into the CD-ROM drive. The CD will auto-run and display “**VIA Chipset Drivers**,” “VIA PLE133 VGA Driver,” “VIA AC97 PCI Sound Drivers” and “Realtek 8139 Network Drivers” on the screen. Click on the appropriate button for installation.

Installation for Windows® 98SE

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA Chipset Drivers” and the screen will show “VIA Service Pack 4.XX.”
4. Click “Next” and the screen will show four drivers “VIA Atapi Vendor Support Driver,” “AGP VxD Driver,” “VIA Chipset Function’s Registry” and “IRQ Routing Miniport Driver”. Select all four drivers and click on “Next”.
5. The setup program will request you to choose “Install VIA Atapi Vendor Support Driver”. Please select “Install” and click “Next” to continue.
6. Click to enable DMA Mode, Please select “Install” and click “Next” to continue.
7. The setup program will request you to choose “Install VIA AGP VxD in turbo mode”, “Install VIA AGP VxD in normal mode” or “Uninstall VIA AGP VxD”. Please select “Install VIA AGP VxD in turbo mode”

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- and click on “Next”.
8. The setup program will let you choose between “Install VIA Chipset Functions Registry” or “Uninstall VIA Chipset Functions Registry”. Please select “Install VIA Chipset Functions Registry” and then click “Next”.
 9. The setup program will let you choose between “Install VIA IRQ Routing Miniport Driver” or “Uninstall VIA IRQ Routing Miniport Driver”. Please select “Install VIA IRQ Routing Miniport Driver”
 10. The setup program will request you to choose whether to restart the computer or not. Please select “Yes, I want to restart my computer now” and click Finish. The computer will restart and finish the VIA Chipset Drivers installation.

Installation for Windows® 2000/ME

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA Chipset Drivers” and the screen will show “VIA Service Pack 4.XX.”
4. Click “Next” and the screen will show VIA Service Pack (VIA 4 in 1) Readme.TXT.
5. Click “Yes” and the screen will show two drives “AGP VxD Driver” and “VIA INF Driver 1.0x.” Select all and click “Next” to proceed to next step.
6. The setup program will request you to choose “Install AGP 4X/133 Driver”. Select “Install” and then click on “Next”.
7. The setup program will request you to choose whether to restart the computer or not. Please select “Yes, I want to restart my computer now” and click Finish. The computer will restart and finish the VIA Chipset Drivers installation.

Installation for Windows® NT4.0

Note: *Install Windows® NT 4.0 Service Pack 3 or above before installing the VIA drivers in Windows® NT.*

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA Chipset Drivers” and the screen will show “VIA Service Pack 4.XX.”

4. Click “Next” to proceed and the screen will show “Install”, “Uninstall” or “Enable/Disable Ultra DMA for IDE Driver”.
Select “Install” and then click on “Next”.
5. Please click on “Yes, I want to restart my computer” to complete setup.

VIA PLE133 VGA Driver Installation

Insert the provided CD disk into the CD-ROM drive. The CD will auto-run and display “VIA Chipset Drivers,” “**VIA PLE133 VGA Driver**,” “VIA AC97 PCI Sound Drivers” and “Realtek 8139 Network Drivers” on the screen. Click on the appropriate button for installation.

***Note:** Always install the VIA Chipset drivers before VIA PLE133 VGA driver.*

Installation for Windows® 98SE/2000/ME/NT4.0

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA PLE133 VGA Driver” and the screen will show an installation menu.
4. Click on “Display Drivers.”
5. Click on “OK” and the VGA drivers will be copied into the HDD.
6. A message appears prompting you to restart the Windows® system.
Select “Yes” to restart the system.
7. After restart, Windows will show a new display setting.

***Note:** For Windows NT4.0, you must install Windows® NT 4.0 Service Pack 3 or above before installing the VIA drivers.*

VIA AC97 PCI Sound Driver Installation

Insert the provided CD disk into the CD-ROM drive. The CD will auto-run and display “VIA Chipset Drivers,” “VIA PLE133 VGA Driver,” “**VIA AC97 PCI Sound Drivers**” and “Realtek 8139 Network Drivers” on the screen. Click on the appropriate button for installation.

***Note:** Always install the VIA Chipset drivers before VIA AC97 PCI Sound*

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driver.

Installation for Windows® 98SE

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA AC97 PCI Sound Drivers” and the screen will show “VIA AC97 PCI Sound Drivers.”
4. Click “Next” to proceed and the screen will show “Install”, or “Uninstall”. Select “Install” and then click on “Next”.
5. Click “Finish” to complete the AC97 Audio Driver Installation.

Installation for Windows® 2000/ME

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA AC97 PCI Sound Drivers” and the screen will show “VIA AC97 PCI Sound Drivers.”
4. Click “Next” to proceed and the screen will show “Install”, or “Uninstall”. Select “Install” and then click on “Next”.
5. A window “Digital Signature Not Found” will appear and will request “Do you want to continue the installation of the VIA AC’97 Audio Controller (WDM) Driver?” Please click “Yes” to proceed.
6. Click “Finish” to complete setup.

Installation for Windows® NT4.0

1. Insert the CD disk into the CD-ROM drive
2. The CD will auto-run and the setup screen will appear.
3. Click on the “VIA AC97 PCI Sound Drivers” and the screen will show “VIA AC97 PCI Sound Drivers.”
4. Click “Next” to proceed and the screen will show “Install”, or “Uninstall”. Select “Install” and then click on “Next”.
5. The setup program will show the following on the screen:

Please choose “Add” from the next window
and add the following device:
VIA AC97 PCI Audio Device
VIA MIDI External Port

Then click “OK”.

6. Follow the steps shown in **Step 5** to finish the VIA AC97 PCI Audio Drivers Installation.
7. A window will appear asking “Do you want to install the joystick driver for the Microsoft Sidewinder 3D Pro Joystick?” Please click “No” to continue.
8. Please click “Finish” to complete setup.

Realtek® 8139C Fast Ethernet Controller

When your mainboard comes with the Realtek® 8139C LAN controller, you must install the Realtek® LAN driver to support the LAN function. The Realtek® 8139C is a sophisticated 32-bit PCI component, with enhanced scatter-gather bus mastering capabilities. Its true 32-bit architecture enables it to perform high speed data transfers on the PCI bus using four DMA channels.

Features

- IEEE 802.3/802.3u 10BASE-T and 100BASE-TX compatible
- Glueless 32-bit PCI bus master interface
- Backward software compatible to the 82557
- Internal transmit and receive FIFOs (3 kbytes each)
- Back-to-back transmit at 100 Mbps within minimum IFS
- EEPROM support for configuration and customized feature selection
- Advanced configuration and Power Interface Specification, Revision 1.0, and PCI Power Management Specification, Revision 1.0 compliant
- Remote Wake Up (Magic Packet*) support in APM and ACPI modes
- ACPI “interesting” packet wake support in D0 to D3 low power states
- IEEE 802.3u Auto-Negotiation support for 10BASE-T and 100BASE-TX
- Full or half duplex capable at 10 or 100 Mbps
- IEEE 802.3x flow control support

Driver Installation

Installation for Windows® 98

In some operating systems like Windows® 98, the provided CD will auto-run when you insert the CD disk into the CD-ROM drive. To install the LAN driver, just click on the “**Realtek 8139 Network Drivers**” button on the screen.

Installation for Other O/S

To find out the installation procedures for other operating systems such as Windows® 2000 & Linux, insert the provided CD disk into the CD-ROM drive. Run or type the path to:

CD-ROM drive: *\Network\Realtek\8139\Help8139.exe*

Then press spacebar to continue and installation for different operating systems on the LAN driver is listed on the screen. Select the operating system you need by using arrow keys and follow the installation procedures provided.