



Asus PCI-V264CT User Manual

Ati vga series audio/video cards, hardware & video drivers

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ATI VGA Series

Audio/Video Cards

USER'S MANUAL

Hardware & Video Drivers

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Related Manuals for Asus PCI-V264CT

[Video Card ASUS PCI-V264VT User Manual](#)

(17 pages)

[Sound Card Asus PCI Express Audio Card Xonar DX User Manual](#)

Asus network adapter user's manual (80 pages)

[Sound Card Asus Audio Card Xonar D2 User Manual](#)

Asus xonar d2 audio card user manual (84 pages)

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Masterpiece audio card for home theater & gaming in your pci express slot (88 pages)

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Pcie 7.1 gaming sound card (2 pages)

[Sound Card ASUS Xonar Essence STX Quick Start Manual](#)

Pci express audio card (33 pages)

Summary of Contents for Asus PCI-V264CT

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[Page 3: Asus Contact Information](#)

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[Page 6: Federal Communications Commission Statement](#)

Canadian Department of Communications Statement This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. ASUS ATI VGA User's Manual...

[Page 7: Introduction](#)

I. Introduction The ASUS 264 series of audio/video cards provides the best way to play games, watch videos, and work in Windows 95. Just look at some of these video features: Powerful 3D Graphics Enter a new age of computing with enriched 3D graphics. ATI video chipset supercharges 3D applications, games, Internet, illustrations, and animation with rich 65,000 graphics, hardware acceleration and higher frame rates.

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ATI Help Wizards - An intelligent on-screen guide makes it easy to optimize your graphics accelerator and display, without even opening a manual. Plug & Play - ASUS 264 series of audio/video cards is Windows 95 plug and play compliant for automatic configuration, supporting VESA and DDC1/2b compliant monitors.

[Page 9: Hardware Installation](#)

II. Hardware Installation This section tells you how to install the ASUS PCI Video Card or ASUS Audio+Video MediaBus Card in your PC computer. The steps provided below demonstrate how to install the cards in a typical system. Your system may be slightly different.

[Page 10](#)

14. Connect your analog monitor's 15-pin VGA connector to the card and fasten the retaining screws (if any). For Audio cards, you should also connect speakers to the "Speaker Output" in order for sound to be heard. ASUS ATI VGA User's Manual...

[Page 11: Microsoft Windows 95](#)

III. Microsoft Windows 95 Video Driver Installation Introduction After installing the ASUS Video or Audio/Video card, software drivers and utilities must be installed. The following are various driver installation procedures for Windows 95 under specific situations. Windows Plug and Play in Windows 95: (Auto installing drivers) IMPORTANT: If an ASUS Video or Audio/Video card (or ATI compatible) was installed at one time, Windows 95 Plug and Play may install ATI's original driver...

[Page 12](#)

Video Driver Installation Installing ATI Video drivers in Windows 95: (New Hardware Found) If installing an ASUS Video or Audio/Video card for the first time, a "New Hardware Found" window will appear upon entering Windows 95: Select which driver you want to install for your new hardware:...

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Video Driver Installation Installing ATI Video drivers in Windows 95 (Prompted by Windows 95) If an ASUS Video or Audio/Video card (or ATI compatible) was installed unsuccessfully or modified at one time a "Display" message will appear upon entering Windows 95: There is a problem with your display settings.

[Page 14: Video Driver Installation](#)

If for some reason you need to reinstall the ATI video drivers or if you skipped the previous procedures, you may use the following steps: 1. Insert the ASUS installation CD (or double click

on the CD drive in "My Computer" if CD already inserted)- ASUS Windows 95 Install Shell appears.

[Page 15: Software Mpeg & Video Player](#)

Upgrade For Microsoft Windows, then install ATI Video Player. Installing Microsoft DirectVideo in Windows 95: 1. Reinsert the ASUS installation CD or select the CD from My Computer. 2. Click Install DirectX - Click "Next" to install 3. Click Done button when finished.

[Page 16: Windows 95 Display Settings](#)

You can save your settings by clicking "Save As" button and typing in a file name. This allows you to recall previously saved settings. Click on "Defaults" button to restore all settings to the default. ASUS ATI VGA User's Manual...

[Page 17: Microsoft Windows 3.X](#)

Video Driver Installation For your convenience, the ATI video drivers for Windows 3.x can be installed in Windows 3.x or in DOS. The autorun ASUS Windows 3.1 Install Shell cannot be automatically run by Windows 3.x, so manual execution is necessary.

[Page 18](#) 5. "ASUS driver is successfully installed!!" - press any key. 6. "Do you want to launch Windows 3.1 to continue installation now? (Y/N) Note: You must make sure that ASUS ATI VGA card has been plugged in your machine." - Press Y.

[Page 19: Software Mpeg & Video Player](#)

2. Insert the ASUS installation CD. 3. Change to your CD drive. 4. Double click setup.exe - ASUS Windows 3.1 Install Shell appears 5. Click on Install Video Player - Memory Requirement appears: The ATI Video Player needs at least 600K conventional memory to execute.

[Page 20: Ati Desktop Control Panel](#)

ATI Logo: Double click this logo to generate a problem report which includes pertinent data on your system and card configuration to help solve your problem. Have the report ready before contacting your vendor. Feature Icons: Double click a Feature icon to launch the associated control panel. ASUS ATI VGA User's Manual...

[Page 21: Flexdesk](#)

FlexDesk+ FlexDesk+ Basic Settings FlexDesk+ is for configuring the operating modes and parameters of the ASUS 264 Series Card. The availability of options in FlexDesk+ is dependent on the card and its hardware configuration. This control panel allows you to configure Colors (color depth), Screen Size (resolution), Desktop Size (virtual desktop size), Advanced settings and Default parameters (factory settings).

[Page 22](#) Defaults: Provides same functionality as the push button. Advanced...: Provides same functionality as the push button. HELP Menu Help: Provides same functionality as the push button. Contents: Displays the Help index. About...: Displays the product version number and information. ASUS ATI VGA User's Manual...

[Page 23: Flexdesk+ Advanced Settings](#)

Off: Provides smooth dithering which results in faster performance than VGA dithering. Buttons OK: Accepts the advanced settings as shown and returns to the FlexDesk+ main panel. Cancel: Discards all changes and returns to the FlexDesk+ main panel. Help: Displays Help information on FlexDesk+. ASUS ATI VGA User's Manual...

[Page 24: Dpms \(For Windows\)](#)

DPMS Enable: DPMS feature is enabled if box is checked. Defaults: Sets DPMS timers to default values. Help: Displays Help information on DPMS. OK: Accepts settings as shown and exits. Cancel: Discards all changes and exits. ASUS ATI VGA User's Manual...

[Page 25: Deskscape](#)

Pan Down: Moves the "window" downward, with user defined keys, e.g., <Alt> ↓. Zoom In: Makes the screen image larger, with user defined keys, e.g., <Alt>+<Home>. NOTE: The entire desktop can be panned. Zoom Out: Displays more of the virtual desktop, with user defined keys,

e.g., <Alt>+<End> ASUS ATI VGA User's Manual...

[Page 26: Buttons](#)

2. Adjust any or all of the sliders. Slider functions are identical to those in FlexDesk+. 3. Either enable WinSwitch by checking the WinSwitch Enabled box, or disable WinSwitch by removing the check mark. 4. Click Ok. ASUS ATI VGA User's Manual...

[Page 27: Screen Adjustment](#)

Desktop Size: Sets the virtual desktop to one of the supported sizes. Screen Adjustment This allows the selection of different resolutions supported by your monitor. Select the proper monitor by pressing the "Select Monitor" button and then choosing from the list of monitors. ASUS ATI VGA User's Manual...

[Page 28](#) Use the Preview/Adjust to see the results and allow digital adjustments to the screen. If the image is distorted you may press <Esc> or wait a few seconds to return to the original menu without the change. ASUS ATI VGA User's Manual...

[Page 29: Dpms Parameters](#)

IV. Microsoft Windows 3.x The ASUS 264 Series Card supports a VESA power management control specification called DPMS-Display Power Management Signaling. Monitors that comply with DPMS can provide energy savings up to 80% compared to non DPMS compliant monitors. This also translates into extended monitor life.

[Page 30: Windows Video Player](#)

The question mark on top right of the Video Screen allows inspection into each button on the control panel. Click on the "?" then on a button that you would like to know about. ATI Player Setup MPEG ASUS ATI VGA User's Manual...

[Page 31: Video Acceleration Performance](#)

Media Player on-line Help and the Microsoft Windows 3.1 User's Guide. Sizing Windows The video clip window can be sized using <Ctrl> and number keys 1 & 2, providing 1x and 2x zoom respectively. ASUS ATI VGA User's Manual...

[Page 32: Microsoft Windows Nt](#)

Video Driver Installation Windows Plug and Play in Windows NT 4.0: (Auto installing drivers) IMPORTANT: If an ASUS Video or Audio/Video card (or ATI compatible) was installed at one time, Windows NT 4.0 Plug and Play may install ATI's original driver upon entering Windows NT 4.0 .

[Page 33](#) Video Driver Installation Installing ATI Video drivers in Windows NT 4.0: (New Hardware Found) If installing an ASUS Video or Audio/Video card for the first time, a "New Hardware Found" window will appear upon entering Windows NT 4.0: Select which driver you want to install for your new hardware:...

[Page 34](#) If for some reason you need to reinstall the ATI video drivers or if you skipped the previous procedures, you may use the following steps: 1. Insert the ASUS installation CD (or double click on the CD drive in "My Computer" if CD already inserted)- ASUS Windows NT Install Shell appears.

[Page 35: Video Driver Installation](#)

9. Supply the Setup program with the location of the NT files of your revision, for example, type: D:\NT35 (\NT351) 10. Click OK button. 11. Select the appropriate driver for your ASUS 264 series card 12. Click Install button. 13. Click Yes to change to your system configuration.

[Page 36: Ibm Os/2 & Os/2 Warp](#)

19. Type EXIT to close the OS/2 full screen command prompt. 20. Shut down OS/2 21. Restart OS/2. It will default to 640x480 in 256 colors. To change screen resolution and/or color depth, see your OS/2 User's Guide. ASUS ATI VGA User's Manual...

[Page 37: Other Video Drivers](#)

7. Press Enter when completed and press ESC twice and Y to exit the installation program. 8.

Reboot the computer from DOS - Your Windows 3.x & DOS system ATI drivers should be installed and ready to use. ASUS ATI VGA User's Manual...

[Page 38: Microstation Video Driver Installation](#)

7. Press Enter when completed and press ESC twice and Y to exit the installation program. 8. Reboot the computer from DOS - Your Windows 3.x & DOS system ATI drivers should be installed and ready to use. ASUS ATI VGA User's Manual...

[Page 39: Select System Information \(Optional\)](#)

INFO BOX. In case of a conflict, it will issue a warning and suggest possible corrective actions. Your ASUS 264 Series Card is a PCI Plug-and-Play compatible: your system will automatically allocate system resources and resolve possible conflicts between your Plug-and-Play compatible mach64 accelerator card and other expansion cards.

[Page 40: Vdif Files \(Optional\)](#)

5. Adjust the size and position of the box outline. Press <Enter> to accept. 6. Repeat steps 2 and 3 until you are satisfied with the box outline for all the resolutions. When finished, remember to exit and save the settings. ASUS ATI VGA User's Manual...

[Page 41: Advanced Setup \(Optional\)](#)

Factory Defaults The card can be reset to factory defaults by pressing <Shift>+<F7>. Saving Your Configuration Once you have finished configuring the necessary parameters described above, save them by pressing <F10>. ASUS ATI VGA User's Manual...

[Page 42](#) (This page was intentionally left blank) ASUS ATI VGA User's Manual...

[Page 43: Troubleshooting](#)

- Try the card in a different system and reset to factory defaults using the IN-STALL program. If the card works in another system, the problem is likely due to incorrect configuration. ASUS ATI VGA User's Manual...

[Page 44](#) DOS disk. Try excluding the video BIOS address (C0000-C7FFF) from the memory manager. Refer to the documentation furnished with the memory manager software for information. ASUS ATI VGA User's Manual...

[Page 45](#) An error has been detected in the ROM. Draw sequence failure. An error has occurred in the draw engine. If the error is intermittent, it might indicate a marginal RAM failure. The effects of this failure may not be immediately apparent. ASUS ATI VGA User's Manual...

[Page 46](#) CD even standard MPEG files. A: Xing MPEG Player and ATI Video Player can not be installed together. They conflict with each other. The previously installed player will work abnormally. You can re-install ATI Video Player to recover it. ASUS ATI VGA User's Manual...

[Page 47: Hardware Specifications](#)

IX. HARDWARE SPECIFICATIONS ASUS PCI-V264CT & ASUS PCI-AV264CT-N In the VGA subsystem, the PCI-V264CT and PCI-AV264CT-N is designed to provide high performance, low cost PCI graphics adapter, which uses ATI advanced 264CT 64-bit graphics engine with 135MHz 24-bit true color RAMDAC and a dual clock frequency synthesizer.

[Page 48: Video Features \(Pci-V264Ct And Pci-Av264Ct-N\)](#)

IX. HARDWARE SPECIFICATIONS Video Features (PCI-V264CT and PCI-AV264CT-N) • 32-bit PCI Local Bus graphics adapter • ATI-264CT Graphics Accelerator, 64-bit DRAM memory interface • Integrated 24-bit RAMDAC (135MHz Output Pixel Clock Interface) • Max resolution at 1280x1024x256 colors at 75Hz refresh rate with 2MB •...

[Page 49: Audio Features \(Pci-Av264Ct-N\)](#)

The PCI-V264CT and PCI-AV264CT-N are available with either 1MB or 2MB of EDO display memory. If your board shipped with just 1MB of display memory, you can easily upgrade the memory to 2MB.

[Page 50: Cd-Audio Connector Pin Definitions](#)

Right Signal 1 GND 1 Mono Signal 1 Right Signal 2 Left Signal 2 GND 2 GND Right Signal 3 3
GND ---- 3 Left Signal ---- Left Signal 4 Right Signal ---- 4 GND ASUS ATI VGA User's Manual...

[Page 51: Asus Pci-V264Vt & Asus Pci-Av264Vt](#)

IX. HARDWARE SPECIFICATIONS ASUS PCI-V264VT & ASUS PCI-AV264VT In the VGA subsystem, the ASUS PCI-V264VT and PCI-AV264VT is designed to provide high performance, low cost PCI graphics adapter, which uses ATI advanced 264VT 64-bit graphics engine with 135MHz 24-bit true color RAMDAC and a dual clock frequency synthesizer.

[Page 52: Resolution Table](#)

----- 75Hz 1024 x 768 x 24 16.7 Million ----- 1280 x 1024 x 8 ----- 75Hz 1280 x
1024 x 16 65,000 ----- 1280 x 1024 x 24 16.7 Million ----- ASUS ATI VGA
User's Manual...

[Page 53: Audio Features \(Pci-Av264Vt\)](#)

VGA display memory. You will need two DRAM memory chips that are 256K x 16, 60ns, DUAL CAS#, EDO memory. Ask your authorized dealer for detailed memory information before you upgrade this card. Install the DRAM into the sockets with the same orientation as the on-board chips. ASUS ATI VGA User's Manual...

[Page 54: Layout \(Asus Pci-V264Vt\)](#)

Sony CD PC Speaker Audio Input PC Speaker Input Output AMC Connector Digital Volume
Control Game Port Speaker Wave Table Output Upgrade Volume Control Microphone Input
Stereo Line Input Monitor Output 2MB Memory (4x512KB DRAM) ASUS ATI VGA User's Manual...

[Page 55: Cd-Audio Connector Pin Definitions](#)

SPARSE I/O mode. If your system does not boot-up, follow the diagram below for jumper location and setting. I/O Decode Method Block I/O Open Sparse I/O Short Block I/O (Default) Sparse I/O
I/O Decode Method (Block or Sparse) ASUS ATI VGA User's Manual...

[Page 56](#) (This page was intentionally left blank) ASUS ATI VGA User's Manual...

[Page 57: Asus Pci-V264Gt And Asus Pci-Av264Gt](#)

ASUS PCI-AV264GT The ASUS PCI-AV264GT uses Creative Labs ViBRA 16C audio chipset. This pro- vides high quality 16-bit full duplex audio in/output and 100% Sound Blaster com- patibility for all the PC audio and game applications.

[Page 58: Video Features \(Pci-V264Gt And Pci-Av264Gt\)](#)

1024 x 768 x 24 16.7 Million ----- 1280 x 1024 x 8 85Hz 1280 x 1024 x 16 65,000 ----- 1280
x 1024 x 24 16.7 Million ----- 1600 x 1200 x 8 66Hz ASUS ATI VGA User's Manual...

[Page 59: Video Accelerator](#)

ATI MPEG video player application with VCR-like controls • Extensive software driver support for major applications and operating sys- tems as follows: ® ® • Windows 3.1, Windows 95, Windows NT™, AutoCAD™, ® Microstation™, OS/2 , VESA BIOS Extension support ASUS ATI VGA User's Manual...

[Page 60: Layout \(Asus Pci-Av264Gt\)](#)

Right Signal 1 GND 1 Mono Signal 1 Right Signal 2 Left Signal 2 GND 2 GND Right Signal 3 3
GND ---- 3 Left Signal ---- Left Signal 4 Right Signal ---- 4 GND ASUS ATI VGA User's Manual...

[Page 61: Asus Pci-\(A\)V264Gt/Plus](#)

ASUS PCI-AV264GT/Plus The ASUS PCI-AV264GT/Plus uses Creative Labs ViBRA 16C audio chipset. This provides high quality 16-bit full duplex audio in/output and 100% Sound Blaster Pro & Sound Blaster 16 compatibility for all the PC audio and game applications.

[Page 62: Resoultion Table](#)

85Hz 85Hz 1280 x 1024 x 16 65,000 ----- 85Hz 1280 x 1024 x 24 16.7 Million ----- 75Hz
1600 x 1200 x 8 66Hz 66Hz 1600 x 1200 x 16 High Color ----- 66Hz ASUS ATI VGA User's
Manual...

[Page 63: Video Accelerator](#)

Microstation™, OS/2, VESA BIOS Extension support Adding Additional Memory The 264GT/Plus
series of Audio and/or Video cards have 2MB SGRAM onboard which can be upgraded by adding
a 2MB memory board (see next page). ASUS ATI VGA User's Manual...

[Page 64: Layout \(Asus Pci-V264Gt/Plus\)](#)

Right Signal 1 GND 1 Mono Signal 1 Right Signal 2 Left Signal 2 GND 2 GND Right Signal 3 3
GND ---- 3 Left Signal ---- Left Signal 4 Right Signal ---- 4 GND ASUS ATI VGA User's Manual...

This manual is also suitable for:

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