



Asus PCI-AS300 User Manual

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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 PCI-AS300 User's Manual...

[Page 7: Introduction](#)

I. INTRODUCTION The PCI-AS300 SCSI/Audio MediaBus Card This is a brief guide on how to configure and install the PCI-AS300 adapter card in your system. The card is a composite SCSI adapter and 16-bit audio card that uses the ASUS MediaBus expansion slot. The MediaBus slot is a composite slot comprised of a 120-pin 5-volt PCI local bus slot and a 72-pin ISA slot extension.

[Page 8: Features](#)

• Connections for MIDI, audio input/output, microphone input • Software Includes: DOS and Window 3.1 Drivers Windows 95 Driver Wave Editor Wave OLE Quick CD Mixer Control System Requirements: • ASUS motherboard with MediaBus revision 2.0 ASUS PCI-AS300 User's Manual...

[Page 9: Layout And Connectors Of The Pci-As300](#)

III. INSTALLATION Layout and Connectors of the PCI-AS300 1. Speaker out 10. Mitsumi CD Audio Input 2. Volume Control 11. Sony CD Audio Input 3. Microphone Input 12. PCSpeaker Input 4. Line Input 13. 8-bit Fast SCSI 50 pin connector 5.

[Page 10: Installation Steps](#)

3. Use a grounded wrist strap before handling computer components. 4. Place components on a grounded antistatic pad or on the bag that came with the component whenever the components are separated from the system. ASUS PCI-AS300 User's Manual...

[Page 11: Audio Adapter Amplifier](#)

These devices are listed with their factory default I/O addresses. I/O Address occupied by the Audio Card. I/O Address Range Usage 200H to 207H Game Port 220H to 233H Audio Interface 330H to 331H MPU-401 UART MIDI Interface 388H to 38BH FM Music Synthesizer ASUS PCI-AS300 User's Manual...

[Page 12: Install The Expansion Card](#)

SCSI TYPE Cable Length Limit Single-ended SCSI 6 meters (19.7 feet) Fast Single-ended SCSI 3 meters (9.8 feet) WARNING: This adapter is for "Single-Ended" SCSI devices only. Do not connect "Differential" SCSI devices to this adapter. ASUS PCI-AS300 User's Manual...

[Page 13: Scsi Types](#)

If there is more than one device, connect the additional devices with additional cables. You can connect up to seven devices to the Fast SCSI bus and fifteen devices to the Wide SCSI bus. ASUS PCI-AS300 User's Manual...

[Page 14: Scsi Id Numbers & Termination](#)

ID number for the device. The SCSI adapter must also have an ID number. The default number for the PCI-AS300 is 7. You should use this unless you know there is a specific need to change it. Consult the documentation for any other SCSI devices to see how to set their ID numbers.

[Page 15: Configuring The Scsi Adapter](#)

If you need to change the SCSI adapter configuration on the PCI-AS300, or if you want to customize the control settings for an individual SCSI device on the bus, you can run the SCSISelect configuration utility.

[Page 16: Configure/View Host Adapter Settings](#)

Doing this before you start using a disk is a good idea. Operating System Support The PCI-AS300 supports both DOS/Windows under MS-DOS 5.0 and up, allowing you to connect up to seven hard disk drives. You can use the supplied Adapted EZ-SCSI Windows utility to enable using non-disk SCSI devices such as scanners, tape drives, or CD-ROM drives.

[Page 17: Ce Compliancy](#)

In order to comply with CE specifications, a core must be added to any cable that is connected to the "Game Port." 15 Pin Game Port CE Compliant Ferrite Core Wind the cable around the core one time as shown and press the sides of the core together until it locks. ASUS PCI-AS300 User's Manual...

[Page 18: Troubleshooting](#)

III. INSTALLATION Troubleshooting In the event that you have problems getting the PCI-AS300 installed and working properly, make sure that:

- all the SCSI devices are turned on.
- all the cables connect the SCSI devices in a series.
- ...

[Page 19](#) PCI-AS300 SCSI/Audio MediaBus Card USER'S MANUAL Adaptec SCSI Drivers & Utilities...

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[Page 21: Adaptec Scsi Select](#)

Verify Media - scans the selected drive media for defects, notifies you of any found and gives you the option of reassigning bad blocks so that data will not be written to them. This is only necessary if you suspect that your SCSI disk drive has a problem. ASUS PCI-AS300 User's Manual...

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[Page 23: Adaptec Ez-Scsi Utility](#)

1 Install DOS6.x or above and start it running on your computer. 2 Insert the installation CD into your CD-ROM drive. 3 Change to your CD ROM drive letter. 4 Change to the SCSI\EZSCSI\ folder and run Install.bat 5 Follow the instructions that appear on the screen. ASUS PCI-AS300 User's Manual...

[Page 24: Troubleshooting Tips](#)

If Windows does not detect the host adapter, run the Add New Hardware Wizard again. This time, select No on the second screen of the wizard, then select SCSI controllers on the next screen. Select the name of your host adapter when it appears. ASUS PCI-AS300 User's Manual...

[Page 25](#) 5 Turn the computer ON. If the new host adapter supports Plug and Play, Windows will install and configure it automatically. Otherwise, run Add New Hardware to make sure the new driver is loaded. ASUS PCI-AS300 User's Manual...

[Page 26](#) Comment out the line that loads mscdex.exe in the autoexec.bat file. • Change the /L switch on the line that loads mscdex.exe in the autoexec.bat file so it assigns the CDROM drive the next highest logical drive letter after the hard disk drives. ASUS PCI-AS300 User's Manual...

[Page 27: Information For Dos/Windows 3.1X Users](#)

ASPI manager. To learn more about these ASPI managers, including their command line option information, see the Adaptec EZSCSI Online Reference, a Windows Help application. ASUS PCI-AS300 User's Manual...

[Page 28: Dos Formatting Utilities](#)

You can reassign the bad block(s) to prevent data from being stored there. 6. Repeat steps 3, 4, and 5, as needed, to format or verify other disk devices. When you are finished, press Esc to exit. ASUS PCI-AS300 User's Manual...

[Page 29: Formatter And Partitioner \(Afdisk\)](#)

Disks smaller than 1Gigabyte have 64 heads, 32 sectors per track, and cylinders equal to the number of MBytes of available capacity. Disks larger than 1Gigabyte have 255 heads, 63sectors per track, and one cylinder per 8MBytes of available capacity. ASUS PCI-AS300 User's Manual...

[Page 30](#) 6. Press Esc to return to the Select SCSI Device to Partition window. If you want to partition a different disk device, select the device from the list and repeat the earlier steps. 7. To quit afdisk, press Esc and select Yes to confirm that you want to quit. ASUS PCI-AS300 User's Manual...

[Page 31: Creative Labs Vibra 16C Audio](#)

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[Page 33: Manual Information](#)

Audio Drivers & Applications for Win95, no CTCM Double click the "SETUP" icon from Win95 \AUDIO\DISKS Individual installation disks for above drivers \AUDIO\DISKS\CTCM Copy to 1.44MB 3.5" floppy disks if necessary) \AUDIO\DISKS\WIN31\DISK1 & \DISK2 \AUDIO\DISKS\WIN95\DISK1 & \DISK2 ASUS PCI-AS300 User's Manual...

[Page 34: Win95 Audio Driver](#)

7. Carefully follow the installation wizard displayed and click the "Next" buttons to continue through the installation process. 8. When installation is completed, you can run the audio utilities through the start menu as shown below: ASUS PCI-AS300 User's Manual...

[Page 35: Configuration Manager](#)

The following path will be used for installing Configuration Manager programs. Proceed using the settings shown Configuration Manager Path : C:\CTCM Microsoft Windows 3.1 Path : C:\WINDOWS System Bootup Drive Press <ENTER> to continue, <F1> for help, or <F3> to exit. ASUS PCI-AS300 User's Manual...

[Page 36](#) DOS by pressing <ENTER> but be sure to reboot on your own. A message "Please remember to REBOOT your system" will appear when exiting. Otherwise, press <F10> to automatically reboot your system. ASUS PCI-AS300 User's Manual...

[Page 37: Audio Drivers](#)

CD WIN31 <ENTER> INSTALL <ENTER> The following Audio Software Installation Screen will appear: Follow the instructions and make your choice to learn more about INSTALL <F1>, view the README <F2>, quit <F3>, or install Configuration Manager <ENTER>. ASUS PCI-AS300 User's Manual...

[Page 38](#) If you wish to use the "Play" and "Record" utility located in \VIBRA16\ directory in DOS mode, you must also add the following two lines through "Custom Installation."
EVICE=C:\VIBRA16\DRV\VIBRA16.SYS /UNIT=0 /BLASTER=A:220 I:5 D:1 H:5
DEVICE=C:\VIBRA16\DRV\CTMMSYS.SYS ASUS PCI-AS300 User's Manual...

[Page 39](#) VIII. Win3.1x Audio Driver Certain older audio files may already exist in your Windows directory. If so, simply press <ENTER> to "Backup the original files" as shown here:
ASUS PCI-AS300 User's Manual...

[Page 40](#) You should here a musical chime as you enter Windows 3.1x and see the following on your screen: After this message above, your installation for Windows 3.1x is complete. From here on, you may refer to Section II and Section III for Audio Software usage. ASUS PCI-AS300 User's Manual...

[Page 41: Environment Variables](#)

BLASTER=A220 I5 D1 H5 P330 T6 Where: Specifies the audio hardware base I/O port Specifies the interrupt request line Specifies the Low DMA channel Specifies the High DMA channel Specifies the MPU-401 base I/O port Specifies the card type ASUS PCI-AS300 User's Manual...

[Page 42: Midi Environment Variable](#)

To obtain optimal performance, try configuring the audio hardware to use a high DMA (Direct Memory Access) channel under Windows. Refer to your audio hardware Getting Started Manual for more information on setting up the sound card to use a high DMA channel. ASUS PCI-AS300 User's Manual...