



Asus AAM6000PI Instruction Manual

Adsl modem card

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ADSL Modem Card



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[Network Card Asus PCE-N15 User Manual](#)

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[Network Card Asus USB-N66 User Manual](#)

Dual-band wireless-n adapter (for 802.11a/b/g/n wireless networks) (35 pages)

Summary of Contents for Asus AAM6000PI

[Page 1](#) AAM6000PI ADSL Modem Card...

[Page 2: Table Of Contents](#)

Table of Contents Congratulations!1 Step 1 - Know your PC's Operating System
..... 1 Step 2 - Determine your Connection Settings.....2 Step 3 - Install the ADSL Modem
Card.....3 Step 4 - Install the Drivers and Make a Connection.....4 Windows
95A.....

[Page 3: Congratulations](#)

Congratulations! You are about to accelerate into ADSL technology. Your new ADSL modem card is an internal Asymmetric Digital Subscriber Line (ADSL) PCI modem card, which conveniently plugs into your computer system. The modem connects directly to your telephone line via a standard connector.

[Page 4: Step 2 - Determine Your Connection Settings](#)

Step 2 - Determine your Connection settings You need to know your PC systems Windows OS Internet Protocol supplied by your ADSL service provider. Refer to the following chart for your ADSL Driver. Protocol Selection RFC1483 Bridged Ethernet over ATM RFC2364 Point-to-Point Protocol over ATM RFC1577...

[Page 5: Step 3 - Install The Adsl Modem Card](#)

Step 3 - Install the ADSL modem card Caution: To avoid possible damage to your modem card, touch the metal chassis of your PC system to remove static charge from your person, and then remove your ADSL modem card from the protective anti-static bag. Shut down your computer and switch the power off.

[Page 6: Step 4 - Install The Drivers And Make A Connection](#)

Step 4 - Install the drivers and make a connection You will be installing drivers and then proceeding to make an Internet connection. This process requires you to enter in information as prompted by the Microsoft Installation Wizard. NOTE: You may need the Microsoft Windows Operating System installation files (CAB files) to complete the installation.

[Page 7: Windows 95A](#)

Windows 95A After installing the ADSL modem card, plug the power cable back into the PC system and turn the power on. Before you proceed to install drivers you will need to upgrade your Dial-Up Networking (DUN) application to version 1.3 or above. The Microsoft DUN is conveniently contained on your ADSL Driver CD-ROM.

[Page 8](#) NOTE: You may need the Microsoft Windows Operating System installation files (CAB files) to complete the installation. The CAB files are contained in the Microsoft's system CD-ROM. Some systems may have already installed the CAB files to the hard drive, but you should have the CD-ROM handy just in case.

[Page 9](#) The previous Service Option window will appear, click Next. NOTE: During the installation process you may be asked to insert your Windows 95 CD. Insert the Windows 95 CD into the CD drive and click OK. NOTE: If during the file copying process a file is reported as "not found"...

[Page 10: Windows 95B](#)

Windows 95B After installing the ADSL modem card, plug the power cable back into the PC system and turn the power on. Before you proceed to install drivers you will need to upgrade your Dial-Up Networking (DUN) application to version 1.3 or above. The Microsoft DUN is conveniently contained on your ADSL Driver CD-ROM.

[Page 11](#) Your drive may have a different letter.) Then click OK. The Update Device Driver Wizard will then find the ASUS ADSL PCI NIC. Click Finish. NOTE: During the installation process you may be asked to insert your Windows 95 CD-ROM.

[Page 12](#) NOTE: Due to an installation anomalie. The Copying Files window may appear again. Click Browse to locate the driver on your CD-ROM for the protocol supported by your ADSL provider: 1483w95 2364w95 1577w95 Click OK. When the Service Option window appears, click Advanced In the Network Protocol and PVC Settings section, enter in the VPI, VCI...

[Page 13](#) NOTE: If during the file copying process a file is reported as "not found" enter the path <CD Drive letter> and :Win95 (e.g. D:Win95) You must now make an Internet connection. Locate the Internet protocol supported by your ADSL service provider from the following table, and proceed to that section to make the Internet connection.

[Page 14: Windows 98, 98Se](#)

(The example uses "D" as the CD-ROM drive letter. Your drive may have a different letter.) Then click Next. ASUS ADSL PCI NIC The Add New Hardware Wizard will appear and indicate the ASUS ADSL PCI NIC. Click Next. D:\1577W98\W95ASUS.INF...

[Page 15](#) Enter the <CD drive Letter> and then :Win98 (e.g. D:\Win98) and click OK. At the conclusion of the ADSL modem ASUS ADSL PCI NIC driver installation, the Add New Hardware Wizard window appears and displays you new ASUS ADSL PCI NIC. Click Finish.

[Page 16](#) The System Settings Change window appears. For the PC system to set up the ASUS Apollo 2 Drivers, a system Restart is required. Click Yes. NOTE: After restarting the system, the Diagnostic Tool icon (See Appendix) is active and monitoring connectivity.

[Page 17: Making A Rfc 1483/1577 Connection - 95A, 95B, 98, 98Se](#)

Network icon. The Network window appears. Select the Configuration tab, scroll the installed network component window and find ASUS ADSL PCI NIC. When the Network window appears select the Configuration tab, scroll the installed network component window...

[Page 18](#) To setup a new gateway, select the Gateway tab, and then enter the setting in the New Gateway section. Click Add. Select DNS Configuration tab. Select the Enable DNS option. NOTE: You now need to have available the Host, Domain and DNS settings supplied by your ADSL service provider.

[Page 19: Making A Rfc 2364 Connection - 95A, 95B, 98, 98Se](#)

In the Select a device bar, use the scroll down menu to locate the ASUS ADSL PCI NIC, click Next. A new Make New Connection window appears. Enter (0) zero, into the Telephone number box. Click Next.

[Page 20](#) The new connection will appear in the Dial-Up Networking window. Double-click the new connection e.g. "My Connection" icon to begin a Dial-Up session. The Connect To window appears. Enter the User Name and Password supplied by your Internet service provider (ISP). Then click Connect. The Connecting to My Connection window appears.

[Page 21: Windows 2000](#)

Windows 2000 After installing the ADSL modem card, plug the power cable back into the PC system and turn the power on. After installing the ADSL modem card, power on the PC system. After start-up, the Found New Hardware Wizard will appear.

[Page 22](#) The Found New Hardware Wizard will then find the ASUS ADSL PCI NIC, click Next. The Digital Signature Not Found window appears. You will be asked; Do you want to continue installation? Click Yes. When the Service Option window appears click Advance.

[Page 23](#) The previous Service Option window will appear, click Next. The Found New Hardware Wizard will prompt that Windows has finish installing the software for this device. Click Finish. NOTE: You may be asked if you want to restart your computer, if so click Yes. If you are not asked, you need to restart your computer manually at this time.

[Page 24: Making A Rfc 1483/1577 Connection - 2000](#)

Panel, and then Network and Dial-up Connections. The Network and Dial-up Connections window appears. Right-click on the Local Area Connection for your ASUS ADSL PCI NIC. The Local Area Connection window appears. Click on Internet Protocol (TCP/IP), then click on Properties.

[Page 25](#) The previous General Tab window appears. Click OK. The Network and Dial-up Connection window appears. CLOSE this window and your connection is complete Congratulations, you are done. Your ADSL Internet connection is established!

[Page 26: Making A Rfc 2364 Connection - 2000](#)

Making an ADSL connection RFC 2364 - Point-to-Point Protocol over ATM - 2000 On your desktop right-click My Network places. The Network and Dial-up Connections window appears. Double-click Make New Connection. The Network Connection Wizard window appears. Click Next. Set

the connection option to Dial-up to private network, then click Next.

[Page 27](#) The Network Connection Wizard appears. You will be prompted to name your network connection. The default is Dial-up Connection. Rename the connection as you choose and then click Finish. The Connect My Connection window will appear. Enter your User Name and Password supplied by your ADSL service provider.

[Page 28: Windows Nt4.0 - Rfc 1483/1577](#)

ROM for the protocol supported by your ADSL provider: 1483NT4 1577NT4 (The example uses "d" as the CD-ROM drive letter. Your drive may have a different letter.) Click OK. The Select OEM Option window will find the ASUS ADSL PCI NIC, Click...

[Page 29](#) The previous Service Option window will appear, click Next. 10. The Network window will appear. Click the Adapters tab to verify that the ASUS ADSL PC NIC has been found. Click on the Protocols tab and verify that the ADSL Management and Monitor Interface is present.

[Page 30](#) The Microsoft TCP/IP Properties window appears. Enter in the IP Address, Subnet Mask and Default Gateway supplied by your ADSL service provider. Click OK. The Network Settings Change window appears. You must now re-start your computer for the settings to take effect. Click Yes.

[Page 31: Windows Nt4.0 - Rfc 2364](#)

ROM for the protocol supported by your ADSL provider: 2364NT4 (The example uses "d" as the CD-ROM drive letter. Your drive may have a different letter.) Click OK. The Select OEM Option window will find the ASUS ADSL PCI NIC, Click...

[Page 32](#) When the Service Option window appears, click Advanced. The advanced Service Options window appears. In the Network Protocol and PVC Setting section, enter in the VPI, VCI and Framing values supplied by your ADSL service provider. In the Select ADSL Mode section, select the mode(s) recommended by your ADSL service provider.

[Page 33](#) 13. The Remote Access Setup window appears. Click Continue. 14. The Network window will appear. Click the Adapters tab to verify that the ASUS ADSL PC NIC has been found. Click on the Protocols tab and verify that the ADSL Management and Monitor Interface is present.

[Page 34](#) 17. The Dial-Up Networking window prompts for the phone number of the dial-up server. Unless instructed to enter a phone number by the ADSL service provider, enter zero "0". Click Dial. 18. The Connect to MyDialUpServer window appears. Enter the User name, Password and Domain supplied by your ADSL service provider.

[Page 35: Editing Your Service Connection](#)

Editing Your Service Connection Service Connection To view or edit the ADSL connection service address, Right-click the Diagnostic Tool icon (located on the Taskbar), and select the Configuration option. The PVC Setup (Permanent Virtual Connection) window displays the connection service address. Click Close to exit window. To edit the connection service address, select and enter the VPI and VCI address in the field shown and click PVC Setting.

[Page 36: Removing Drivers](#)

A warning message will inform you that a component is about to be removed. Click Yes. Once the ASUS ADSL PCI NIC is removed from the adapter list, click Close. The PC system must be restarted for the changes to take effect. Click Yes.

[Page 37: Diagnostic Tools](#)

Diagnostic Tools The diagnostic tool icon allows the user to monitor the ADSL connectivity, setup the service connection address, and run diagnostic tests. The Diagnostic Tools icon is displayed on the task bar as shown. By positioning the mouse cursor over the icon, the upstream and downstream rates are displayed.

[Page 38](#) Re-training Count tracks the number of ADSL connections performed. Due to unexpected line condition changes, the drivers can retrain the connection causing the Re-training Count total to increment. The Diagnostic Tool icon will flash yellow while reconnecting.

ADSL implements Reed Solomon (RS) error checking: FEC Count tracks the forward error correction count.

[Page 39: Trouble Shooting](#)

Trouble Shooting If you have completed the ADSL modem card installation procedures and your ADSL connection is not operational, then refer to the following guidelines for assistance in getting your ADSL modem connection up and running. Is there a Diagnostic ICON on the Taskbar? Try Restarting the PC system.

[Page 40: Connector Pin-Out](#)

Connector Pin-out The ADSL modem card is equipped with a RJ-11 jack for connection to the ADSL data port. The center two pins, pins 3 and 4, are used for ADSL data. For the card to make a proper ADSL connection, the installed ADSL data port should also use pins 3 and 4 for data.

[Page 41: System Requirements & Compliance Information](#)

System Requirements & Compliance Certification System Requirements IBM PC/AT or compatible Pentium 100Mhz or faster 30Mbytes available hard disk space or more 2x CD-ROM drive or better 32Mbyte available system memory or more Power Requirements 0.75A Max @ +5V \pm 5%, 0.1A max @ \pm 12V, \pm 5% Environmental Requirements Operating Temperature: 0 °C to 70°C with airflow Non-operating Temperature: -10 °C to 85 °C...

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