Wireless PC Card

User Manual

Federal Communications Commission (FCC) Compliance Notice: Radio Frequency Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Reorient or relocate the receiving antenna, (2) Increase the separation between the equipment and receiver, (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected, (4) Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This device is intended only for OEM integrators under the following conditions:
1) The antenna must be installed such that 20 cm is maintained between the antenna and users, and
2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling
This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users (for example access points, routers, wireless ADSL modems, and similar equipment). The final end product must be labeled in a visible area with the following: “Contains TX FCC ID: PD5LMWP200A.

Manual Information That Must be Included
The users manual for end users must include the following information in a prominent location “ IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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Introduction

The Wireless PC card helps you create a wireless network for sharing your broadband cable or DLS internet access among multiple PCs in and around your home of office. It is designed for notebook computers running Microsoft Windows 98, 2000, NT, Millennium and XP. It is 16-bit PCMCIA and 32-bit CardBus compatible and works in any available PCMCIA or CardBus slot. Its auto-sensing capability allows packet transfer in 11Mbps for maximum throughput, or speed reduction to the lower 1Mbps speed for distance or working in a noisy environment.

Features

- 11 Mbps High-Speed Transfer Rate
- Interoperable with IEEE 802.11b(DSSS) 2.4GHz-compliant Equipment
- Plug-and Play Operation Provides Easy Setup
- Utilizes Intersil HFA3841/HFA3842 chip sets
- Advanced Power Management Features Conserve Valuable Notebook PC Battery Life
- Direct Sequence Spread Spectrum Compatible to Prevent Lost Connections
- Rugged Metal Design with Integrated Antenna
- Wired Equivalent Privacy (WEP) 40-bit data encryption
  Driver Supports Windows 98, Millennium, NT v.4, 2000 and XP

Connect the Network PC Card to Your Notebook PC

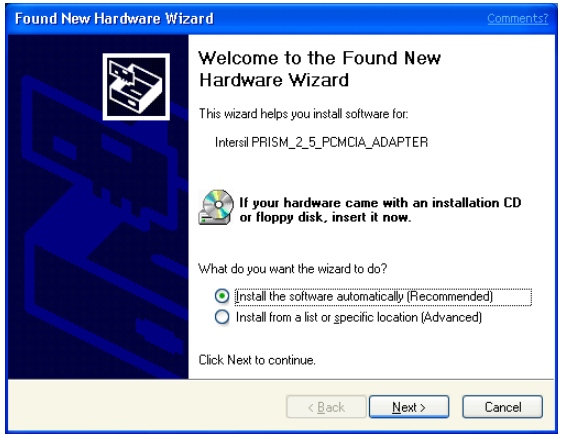
Hardware Installation

- Locate an available Type II PCMCIA slot on your notebook computer.
- With the PCMCIA adapter's 68-pin connector facing the PCMCIA slot and the "Network PC Card" label facing up, slide the PCMCIA adapter completely into the PCMCIA slot.
- Insert the driver CD into your CD drive.
- The Hardware Installation is complete.

Driver Installation

Install Driver Under Windows XP

1. Connect the Wireless PC card into your Notebook PC. Windows XP will automatically recognize a new **Intersil PRISM_2_5_ PCMCIA_ADAPTER**. Select **Install the software automatically [Recommended]** and click the **Next** button to proceed.



Welcome to the Found New Hardware Wizard

This wizard helps you install software for:

Intersil PRISM_2_5_PCMCIA_ADAPTER

If your hardware came with an installation CD or floppy disk, insert it now.

What do you want the wizard to do?

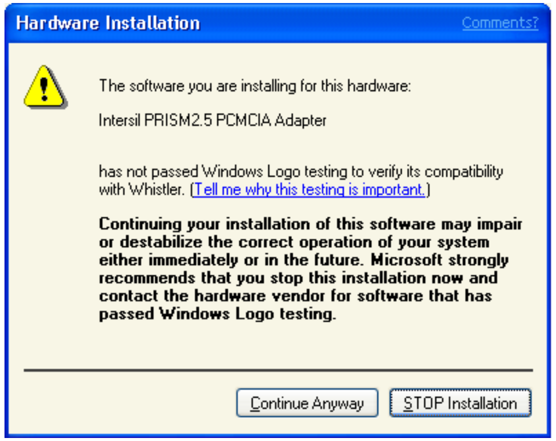
● Install the software automatically (Recommended)

○ Install from a list or specific location (Advanced)

Click Next to continue.

---

2. Windows will notify you that it has not passed Windows Logo testing to verify its compatibility with Whistler. Click the **Continue Anyway** button to continue.



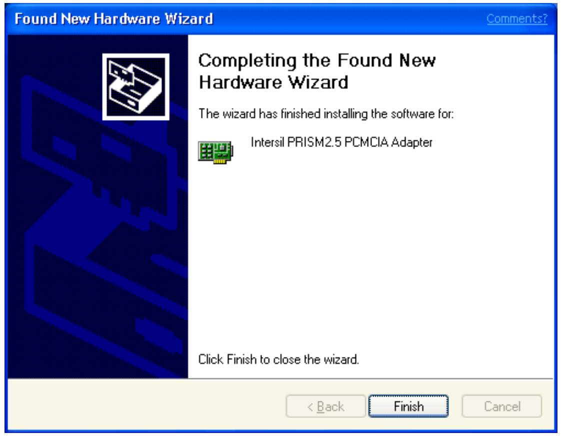
The software you are installing for this hardware:

Intersil PRISM2.5 PCMCIA Adapter

has not passed Windows Logo testing to verify its compatibility with Whistler. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

3. Windows has now completed installing the network. Click the **Finish** button to continue.



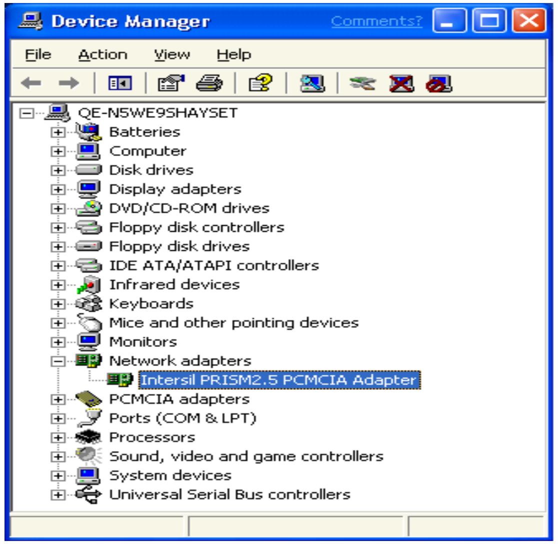
Completing the Found New Hardware Wizard

The wizard has finished installing the software for:

Intersil PRISM2.5 PCMCIA Adapter

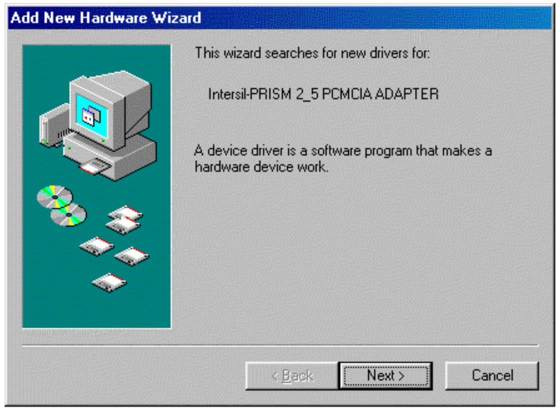
Click Finish to close the wizard.

4. Click right on **My computer** and select **properties**. Select **Device Manager** and click on the **Network adapters**. You will find the **Intersil PRISM2.5 PCMCIA Adapter** if it is installed successfully. The PC card adapter driver installation is finished.


Device Manager
Comments?
File
Action
View
Help
QE-N5WE9SHAYSET
Batteries
Computer
Disk drives
Display adapters
DVD/CD-ROM drives
Floppy disk controllers
Floppy disk drives
IDE ATA/ATAPI controllers
Infrared devices
Keyboards
Mice and other pointing devices
Monitors
Network adapters
Intersil PRISM2.5 PCMCIA Adapter
PCMCIA adapters
Ports (COM & LPT)
Processors
Sound, video and game controllers
System devices
Universal Serial Bus controllers

Install Driver Under Windows 98

1. Connect the Wireless PC card into your Notebook PC. Windows 98 will automatically recognize a new **Intersil-PRISM 2_5 PCMCIA ADAPTER**. Click the **Next** button to proceed.

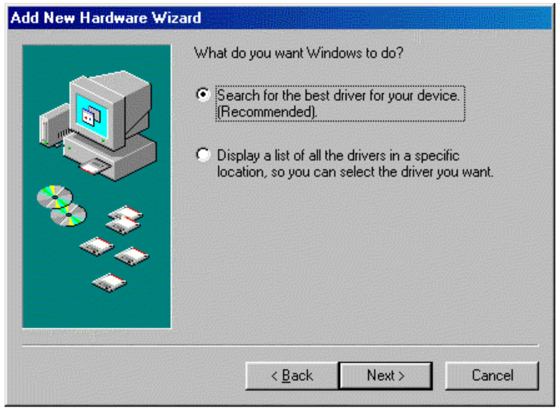

Add New Hardware Wizard
< Back
Next >
Cancel

This wizard searches for new drivers for:

Intersil-PRISM 2_5 PCMCIA ADAPTER

A device driver is a software program that makes a hardware device work.

2. Make sure **Search for the best driver for your device** is selected and click the **Next** button.

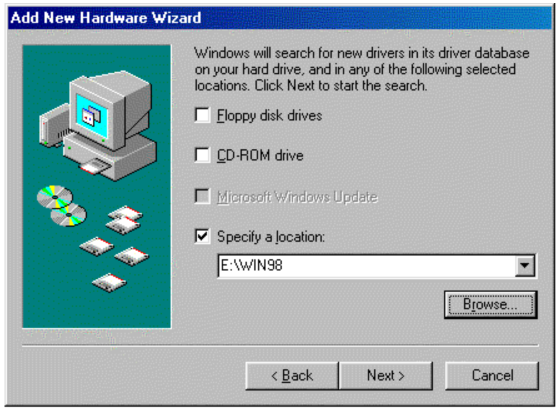

Add New Hardware Wizard
< Back
Next >
Cancel

What do you want Windows to do?

● Search for the best driver for your device. (Recommended).

○ Display a list of all the drivers in a specific location, so you can select the driver you want.

3. Make sure the **Specify a location** is selected and click the **Browse** button. At this point, Windows will ask you to browse for the folder. Simply select the folder in which the driver is located and click the **OK** button.



Add New Hardware Wizard

Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

☐ Floppy disk drives

☐ CD-ROM drive

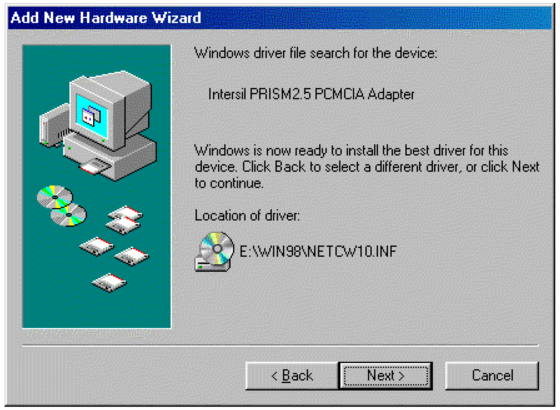
☐ Microsoft Windows Update

☑ Specify a location:

E:\WIN98

Browse...
< Back
Next >
Cancel

4. Windows is now ready to install the driver. Click the **Next** button to continue.



Add New Hardware Wizard

Windows driver file search for the device:

Intersil PRISM2.5 PCMCIA Adapter

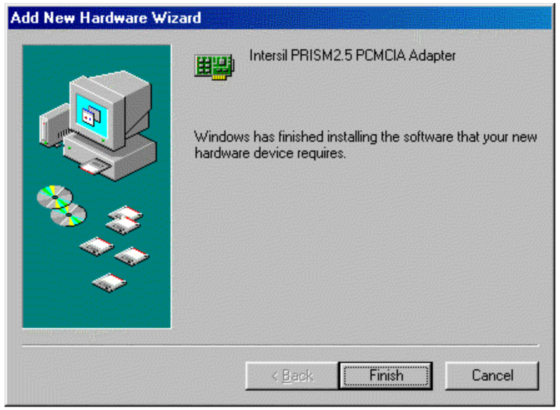
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

Location of driver:

E:\WIN98\NETCW10.INF

< Back
Next >
Cancel

5. Windows has now completed installing the network. Click the **Finish** button to continue.



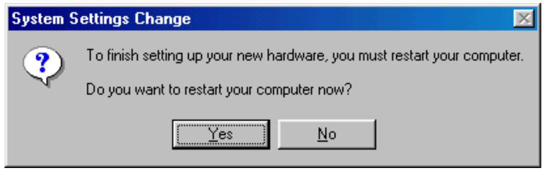
Add New Hardware Wizard

Intersil PRISM2.5 PCMCIA Adapter

Windows has finished installing the software that your new hardware device requires.

< Back
Finish
Cancel

6. After installing the drivers, the **System Setting Change** screen will show you that installation is complete. Click the **Yes** button to finish.



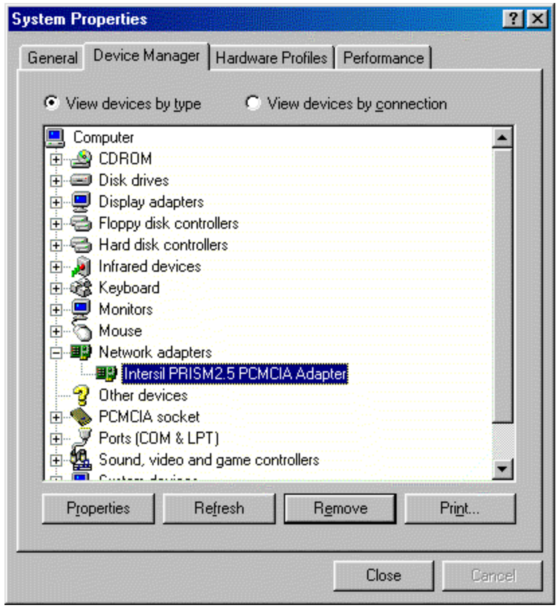
System Settings Change

To finish setting up your new hardware, you must restart your computer.

Do you want to restart your computer now?

Yes
No

7. Click right on **My computer** and select **properties**. Select **Device Manager** and click on the **Network adapters**. You will find the **Intersil PRISM2.5 PCMCIA Adapter** if it is installed successfully. The PC card adapter driver installation is finished.

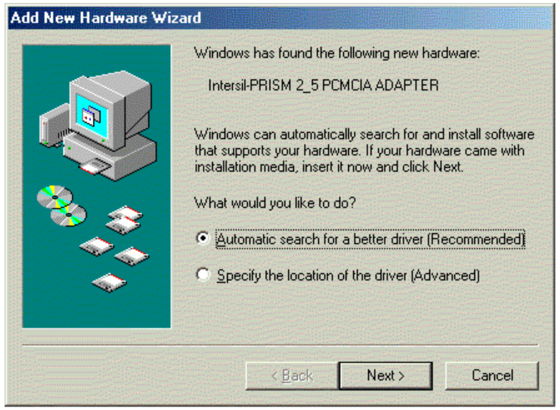


● View devices by type ○ View devices by connection

System Properties
General
Device Manager
Hardware Profiles
Performance
Computer
CDROM
Disk drives
Display adapters
Floppy disk controllers
Hard disk controllers
Infrared devices
Keyboard
Monitors
Mouse
Network adapters
Intersil PRISM2.5 PCMCIA Adapter
Other devices
PCMCIA socket
Ports (COM & LPT)
Sound, video and game controllers
Properties
Refresh
Remove
Print...
Close
Cancel

Install Driver Under Windows ME

1. Windows automatically recognizes a new PC Card added. Select **Automatic search for a better driver [Recommended]** and click the **Next** button to proceed.



Windows has found the following new hardware:

Intersil-PRISM 2_5 PCMCIA ADAPTER

Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next.

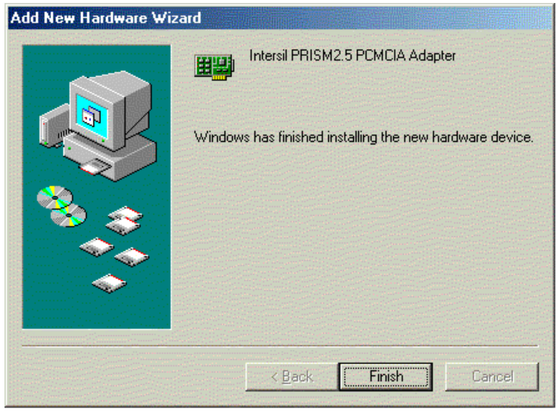
What would you like to do?

● Automatic search for a better driver (Recommended)

○ Specify the location of the driver (Advanced)

Add New Hardware Wizard
< Back
Next >
Cancel

2. Windows will notify that installing has been completed. Click the **Finish** button to continue.

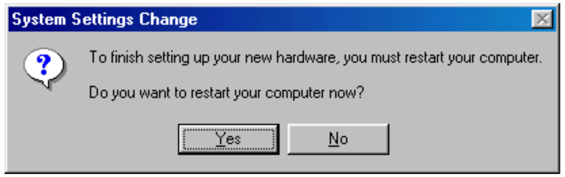


Intersil PRISM2.5 PCMCIA Adapter

Windows has finished installing the new hardware device.

Add New Hardware Wizard
< Back
Finish
Cancel

3. Windows will now ask you to restart your computer. Click the **Yes** button to restart.

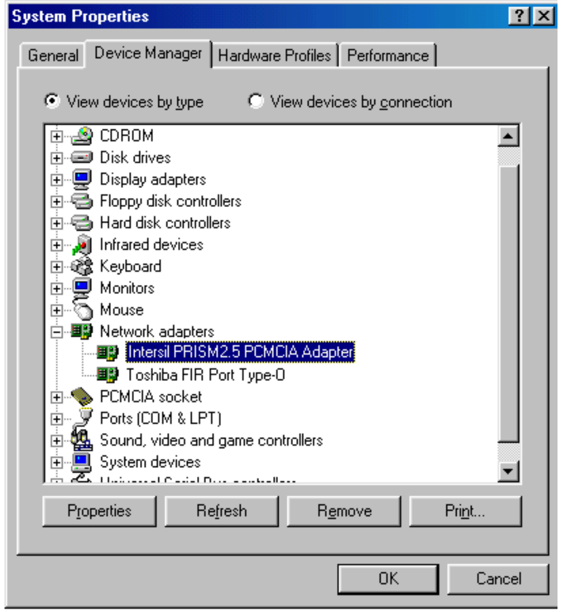


System Settings Change
Yes
No

To finish setting up your new hardware, you must restart your computer.

Do you want to restart your computer now?

4. To verify the driver installation, Move cursor on "**My computer**" icon and click the right button of the mouse. Select the **properties**. The System Properties windows shows. Click the **Network adapters** on the Device Manager folder. **Intersil PRISM2.5 PCMCIA Adapter** will be found if the driver installation is successful.

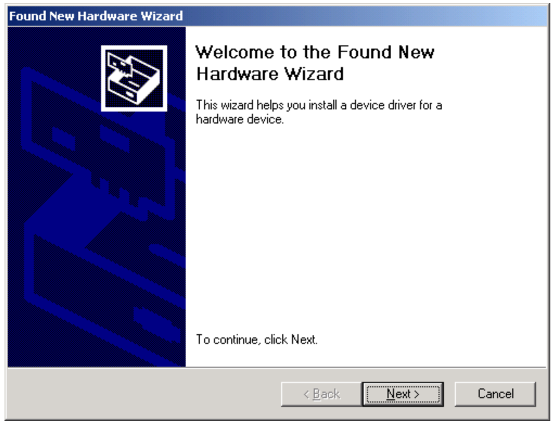


System Properties
General
Device Manager
Hardware Profiles
Performance
CDROM
Disk drives
Display adapters
Floppy disk controllers
Hard disk controllers
Infrared devices
Keyboard
Monitors
Mouse
Network adapters
Intersil PRISM2.5 PCMCIA Adapter
Toshiba FIR Port Type-O
PCMCIA socket
Ports (COM & LPT)
Sound, video and game controllers
System devices
Properties
Refresh
Remove
Print...
OK
Cancel

● View devices by type ○ View devices by connection

Install Driver Under Windows 2000

1. Windows 2000 will automatically recognize the PC Card, once it is connected to the PC, and prompt you to install the necessary driver. Click the **Next** button to proceed.



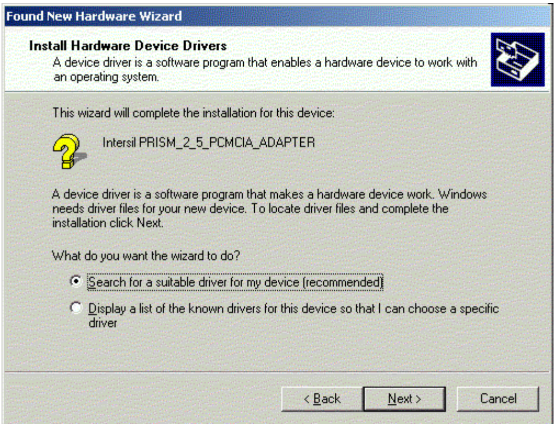
Found New Hardware Wizard
< Back
Next >
Cancel

Welcome to the Found New Hardware Wizard

This wizard helps you install a device driver for a hardware device.

To continue, click Next.

2. Select **Search for a suitable drive** and click the **Next** button. This will search for the Windows 2000 driver.



Found New Hardware Wizard
< Back
Next >
Cancel

Install Hardware Device Drivers

A device driver is a software program that enables a hardware device to work with an operating system.

This wizard will complete the installation for this device:

Intersil PRISM_2_5_PCMCIA_ADAPTER

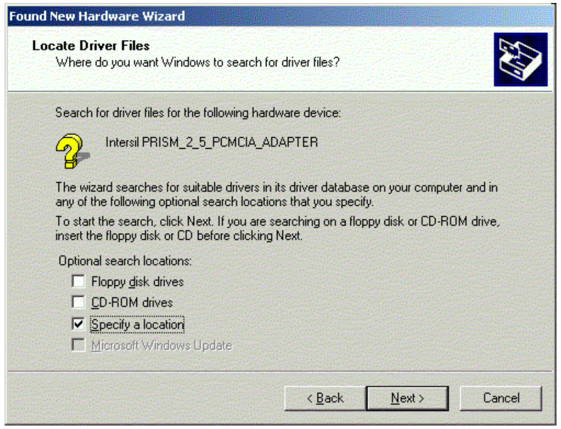
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.

What do you want the wizard to do?

● Search for a suitable driver for my device (recommended)

○ Display a list of the known drivers for this device so that I can choose a specific driver

3. Select **Specify a location** and click the **Next** button.



Locate Driver Files
Where do you want Windows to search for driver files?

Search for driver files for the following hardware device:

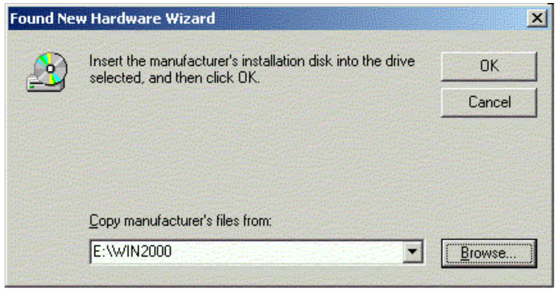
Intersil PRISM_2_5_PCMCIA_ADAPTER

The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.

To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.

Optional search locations:
☐ Floppy disk drives
☐ CD-ROM drives
☑ Specify a location
☐ Microsoft Windows Update

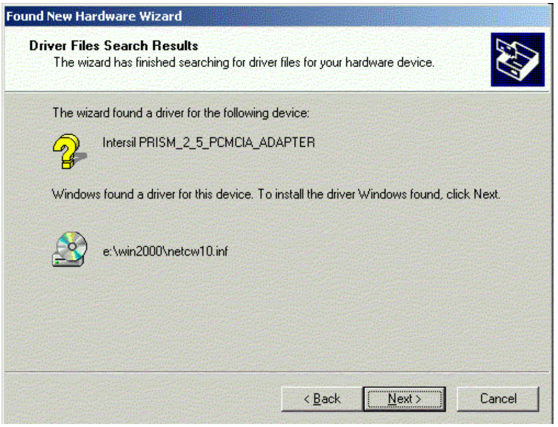
4. In the field, type the folder in which the driver files are located and click the **Next** button.



Insert the manufacturer's installation disk into the drive selected, and then click OK.

Copy manufacturer's files from:
E:\WIN2000

5. Windows will now search for the driver. After Windows acknowledges finding the driver, click the **Next** button.



Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.

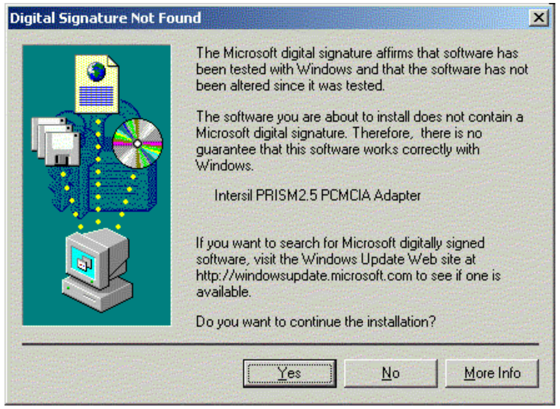
The wizard found a driver for the following device:

Intersil PRISM_2_5_PCMCIA_ADAPTER

Windows found a driver for this device. To install the driver Windows found, click Next.

e:\win2000\netcw10.inf

6. The Digital Signature Not Found screen is a notification by Windows 2000. However, this does not mean that there is a problem. Click the **Yes** button to continue.



The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.

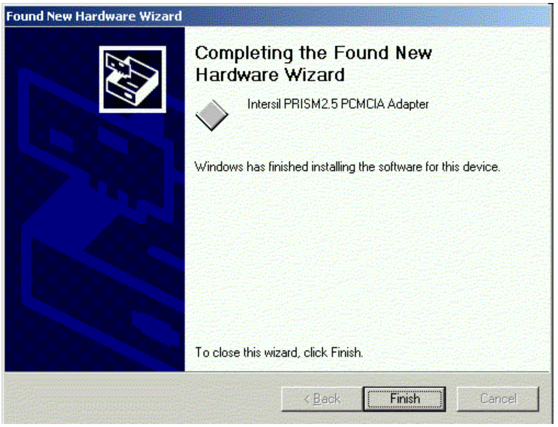
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.

Intersil PRISM2.5 PCMCIA Adapter

If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.

Do you want to continue the installation?

7. Windows will now install the driver files. Click the **Finish** button when completed.


Found New Hardware Wizard
< Back
Finish
Cancel

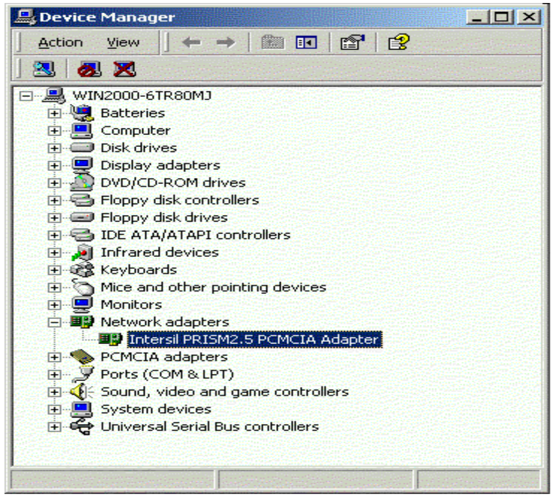
Completing the Found New Hardware Wizard

Intersil PRISM2.5 PCMCIA Adapter

Windows has finished installing the software for this device.

To close this wizard, click Finish.

8. Click right on **My computer** and select **properties**. Select **Hardware** and select **Device Manager** and click on the **Network adapters**. You will find the **Intersil PRISM2.5 PCMCIA Adapter** if it is installed successfully. The PC card adapter driver installation is finished.


Device Manager
Action
View
WIN2000-6TR80MJ
Batteries
Computer
Disk drives
Display adapters
DVD/CD-ROM drives
Floppy disk controllers
Floppy disk drives
IDE ATA/ATAPI controllers
Infrared devices
Keyboards
Mice and other pointing devices
Monitors
Network adapters
Intersil PRISM2.5 PCMCIA Adapter
PCMCIA adapters
Ports (COM & LPT)
Sound, video and game controllers
System devices
Universal Serial Bus controllers

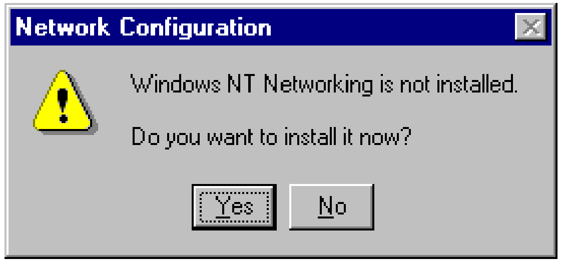
Install Driver Under Windows NT

Windows NT will setup the PC Card differently depending upon whether you've previously installed network hardware or not. Please follow the instructions appropriate for you.

If You Have Never Installed Network Hardware:

1. Windows NT is not a Plug-and-Play Operating System and will not automatically identify the Network PC Card. To begin setup, select **Settings** from the **Start** Menu and bring up the **Control Panel**. Then double-click on the **Network** icon.

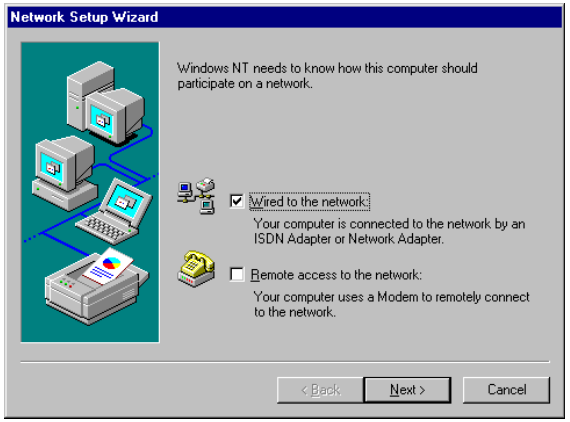
2. Windows will notify you that Networking is not installed. Click the **Yes** button to continue.


Network Configuration
Yes
No

Windows NT Networking is not installed.

Do you want to install it now?

3. Installation will begin and you will reach the screen shown below. You will want to select the box that reads **Wired to the network** since you are adding network hardware. Then, click the **Next** button to continue.



Network Setup Wizard
< Back
Next >
Cancel

Windows NT needs to know how this computer should participate on a network.

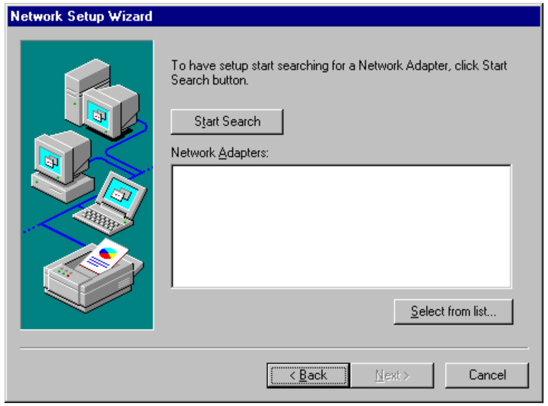
☑ Wired to the network:

Your computer is connected to the network by an ISDN Adapter or Network Adapter.

☐ Remote access to the network:

Your computer uses a Modem to remotely connect to the network.

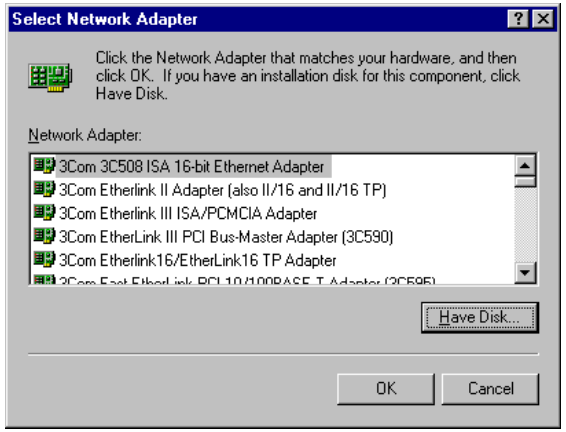
4. The next screen will not show any Network Adapters installed on your system, which signifies that no network hardware has been previously installed. You will want to click the **Select from list** button to continue.



Network Setup Wizard
Start Search
Network Adapters:
Select from list...
< Back
Next >
Cancel

To have setup start searching for a Network Adapter, click Start Search button.

5. A list of adapters will appear on the next screen. You will not want to select one of these, however, as your installation CD has all of the appropriate drivers. Click the **Have Disk** button to continue.

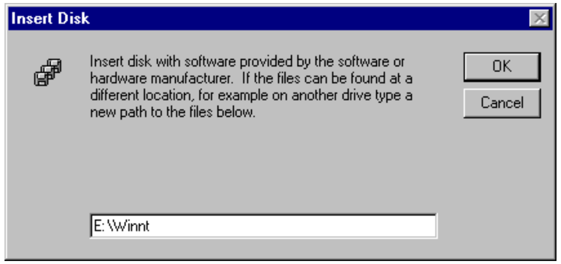


Select Network Adapter
Network Adapter:
Have Disk...
OK
Cancel

Click the Network Adapter that matches your hardware, and then click OK. If you have an installation disk for this component, click Have Disk.

- 3Com 3C508 ISA 16-bit Ethernet Adapter
- 3Com Etherlink II Adapter (also II/16 and II/16 TP)
- 3Com Etherlink III ISA/PCMCIA Adapter
- 3Com EtherLink III PCI Bus-Master Adapter (3C590)
- 3Com Etherlink16/EtherLink16 TP Adapter

6. On the Insert Disk screen, type “E:\Winnt” in the field provided. Then, click the **OK** button to continue.

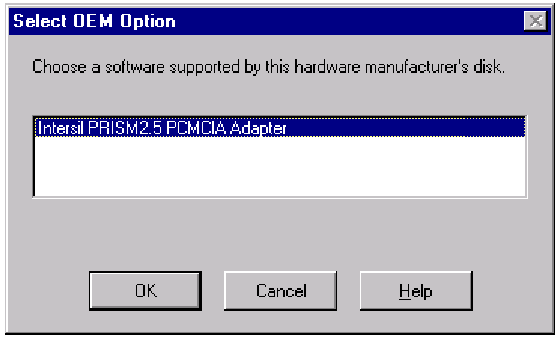


Insert Disk
OK
Cancel

Insert disk with software provided by the software or hardware manufacturer. If the files can be found at a different location, for example on another drive type a new path to the files below.

E:\Winnt

7. The **Select OEM Option** screen will show the **Intersil PRISM2.5 PCMCIA Adapter**. Click the **OK** button to continue.

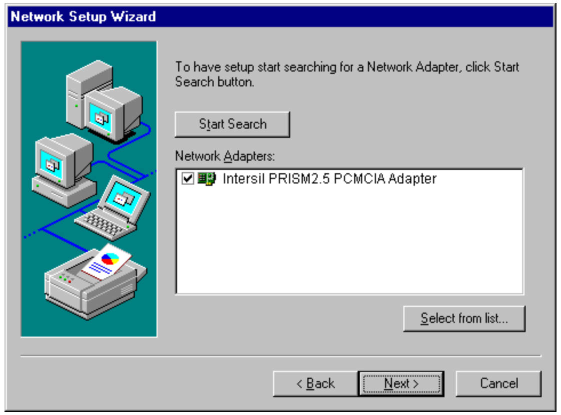


Select OEM Option

Choose a software supported by this hardware manufacturer's disk.

Intersil PRISM2.5 PCMCIA Adapter

8. On the next screen, make sure there is a check mark in the box beside **Intersil PRISM2.5 PCMCIA Adapter**, and click the **Next** button to continue.



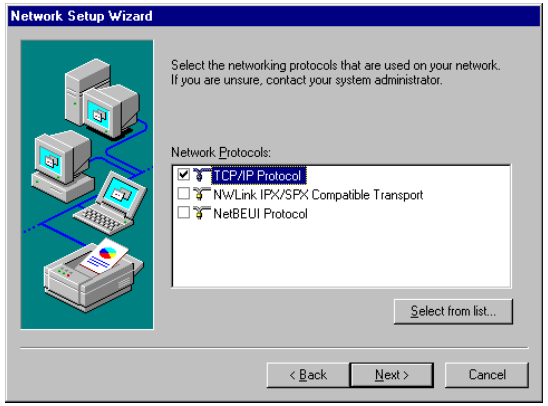
Network Setup Wizard

To have setup start searching for a Network Adapter, click Start Search button.

Network Adapters:

☑ Intersil PRISM2.5 PCMCIA Adapter

9. The next screen will show a list of network protocols. While the **TCP/IP Protocol** is already selected by default, you should check with your network administrator before installing any network protocols. Click the **Next** button to continue.



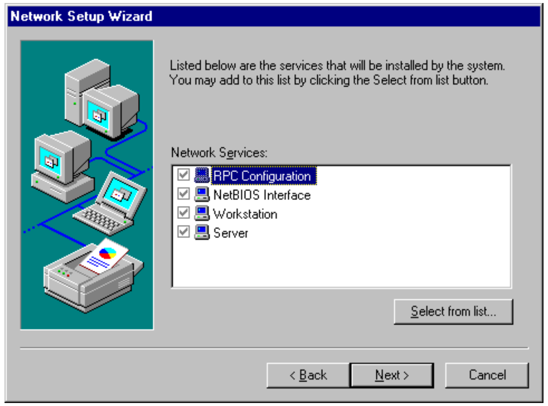
Network Setup Wizard

Select the networking protocols that are used on your network. If you are unsure, contact your system administrator.

Network Protocols:

☑ TCP/IP Protocol
☐ NWLink IPX/SPX Compatible Transport
☐ NetBEUI Protocol

10. On the screen showing Network Services, the selections are automatically made. Simply, click the **Next** button to continue.



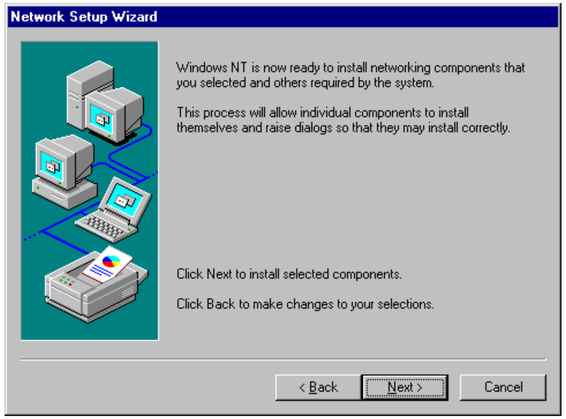
Network Setup Wizard

Listed below are the services that will be installed by the system. You may add to this list by clicking the Select from list button.

Network Services:

☑ RPC Configuration
☑ NetBIOS Interface
☑ Workstation
☑ Server

11. At this point, Windows NT will be ready to start installing Networking Components. Click the **Next** button to continue.



Network Setup Wizard

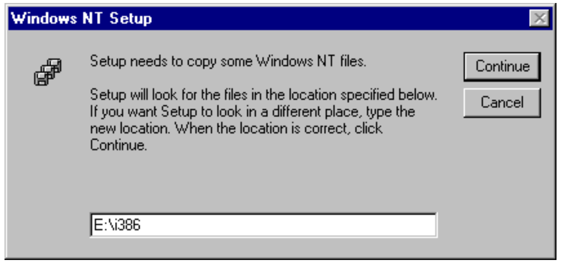
Windows NT is now ready to install networking components that you selected and others required by the system.

This process will allow individual components to install themselves and raise dialogs so that they may install correctly.

Click Next to install selected components.

Click Back to make changes to your selections.

12. Windows NT may request further files at this point. Insert the Windows NT CD into your CD-Rom drive. Type the path in the field and click the **Continue** button.



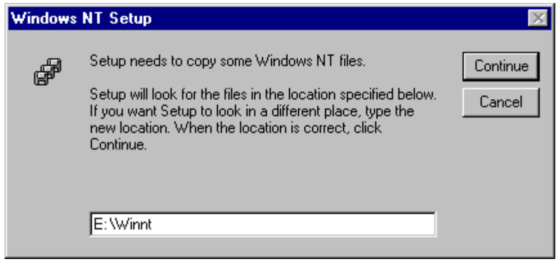
Windows NT Setup

Setup needs to copy some Windows NT files.

Setup will look for the files in the location specified below. If you want Setup to look in a different place, type the new location. When the location is correct, click Continue.

E:\i386

13. If files are still requested, insert your Driver CD into your CD-Rom drive and type the path. Then, click the **Continue** button.



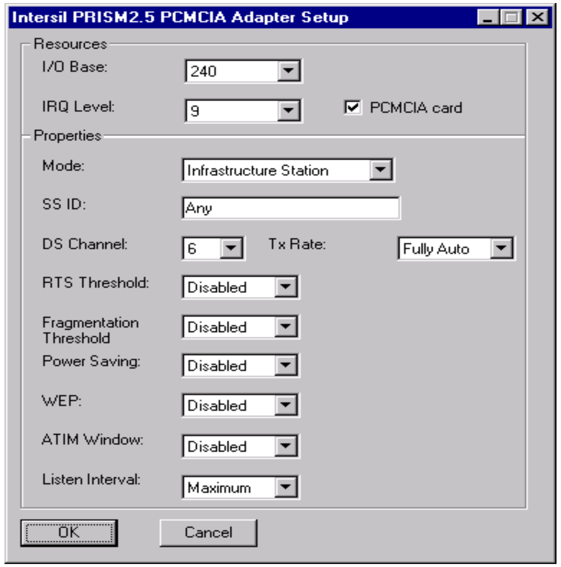
Windows NT Setup

Setup needs to copy some Windows NT files.

Setup will look for the files in the location specified below. If you want Setup to look in a different place, type the new location. When the location is correct, click Continue.

E:\Winnt

14. You will now reach the screen shown below. This is called the **Resources & Properties** screen. Setting the fields on this screen is covered at the end of this section under the heading **Setting Resource & Properties Fields**. Adjust the settings as appropriate. Insert the Windows NT CD into your CD-Rom drive again and then click the **Continue** button to continue.



Intersil PRISM2.5 PCMCIA Adapter Setup

Resources

I/O Base: 240

IRQ Level: 9

☑ PCMCIA card

Properties

Mode: Infrastructure Station

SS ID: Any

DS Channel: 6

Tx Rate: Fully Auto

RTS Threshold: Disabled

Fragmentation Threshold: Disabled

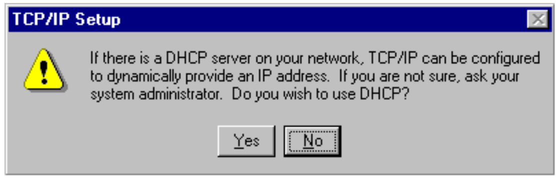
Power Saving: Disabled

WEP: Disabled

ATIM Window: Disabled

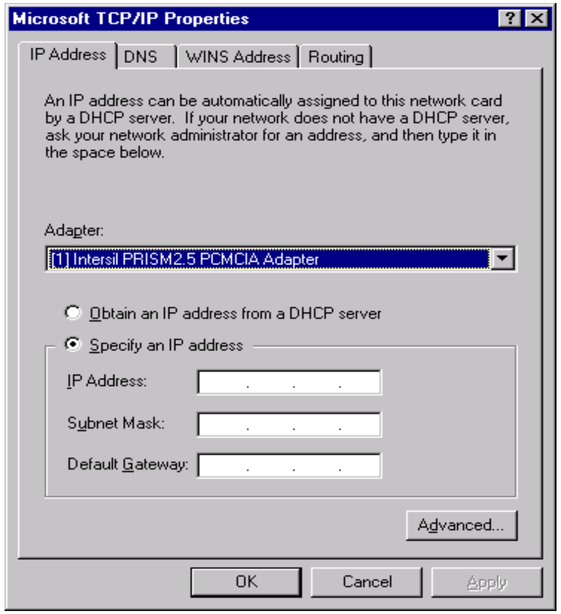
Listen Interval: Maximum

15. After setting the **Resource and Properties** fields, Windows NT will begin installing the network components you previously selected. You may be asked if you would like to configure the protocols with a DHCP server on your network. If this screen comes up, check with your Network Administrator before clicking the **Yes** or **No** button to continue.


TCP/IP Setup

If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP?

16. Windows will bring you to the **Microsoft TCP/IP Properties** screen. Setting the fields on this screen and then click the **OK** button.


Microsoft TCP/IP Properties

An IP address can be automatically assigned to this network card by a DHCP server. If your network does not have a DHCP server, ask your network administrator for an address, and then type it in the space below.

Adapter: [1] Intersil PRISM2.5 PCMCIA Adapter

○ Obtain an IP address from a DHCP server

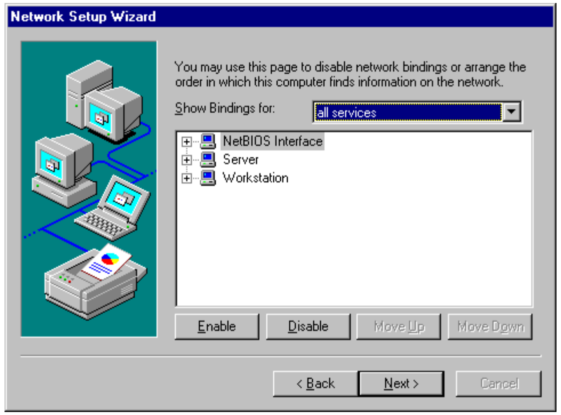
● Specify an IP address

IP Address: . . .

Subnet Mask: . . .

Default Gateway: . . .

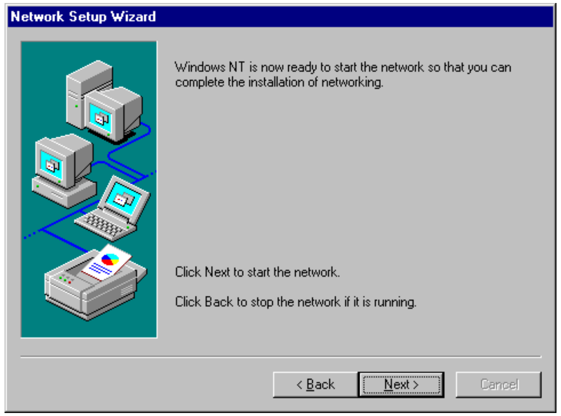
17. Now, the network components will finish installing. You may then see a screen similar to that shown here asking you if you'd like to disable any network bindings. Be sure to check with your network administrator before making **ANY** changes and then click the **Next** button to continue.


Network Setup Wizard

You may use this page to disable network bindings or arrange the order in which this computer finds information on the network.

Show Bindings for: all services

18. At this point, Windows NT will let you know that it is ready to start the network. If you'd like to stop the procedure, click the **Back** button. To continue, click the **Next** button.

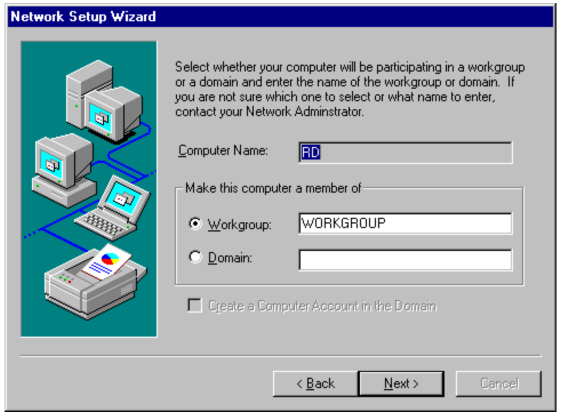

Network Setup Wizard

Windows NT is now ready to start the network so that you can complete the installation of networking.

Click Next to start the network.

Click Back to stop the network if it is running.

19. At this point, Windows NT will let you know that it is ready to start the network. If you'd like to stop the procedure, click the **Back** button. To continue, click the **Next** button.



Network Setup Wizard

Select whether your computer will be participating in a workgroup or a domain and enter the name of the workgroup or domain. If you are not sure which one to select or what name to enter, contact your Network Adminstrator.

Computer Name: RD

Make this computer a member of

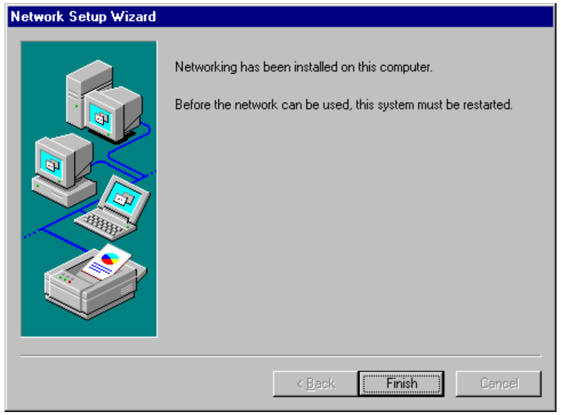
● Workgroup: WORKGROUP

○ Domain:

☐ Create a Computer Account in the Domain

< Back
Next >
Cancel

20. Windows NT has now completed installing the network. Click the **Finish** button to continue.



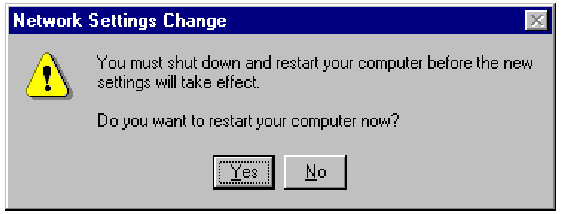
Network Setup Wizard

Networking has been installed on this computer.

Before the network can be used, this system must be restarted.

< Back
Finish
Cancel

21. Windows will now ask you to restart your computer. Click the **Yes** button to restart.



Network Settings Change

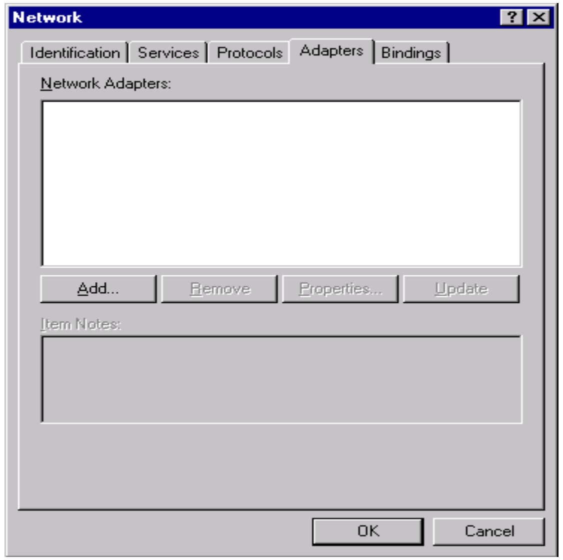
You must shut down and restart your computer before the new settings will take effect.

Do you want to restart your computer now?

If you Have Installed Network Hardware Before:

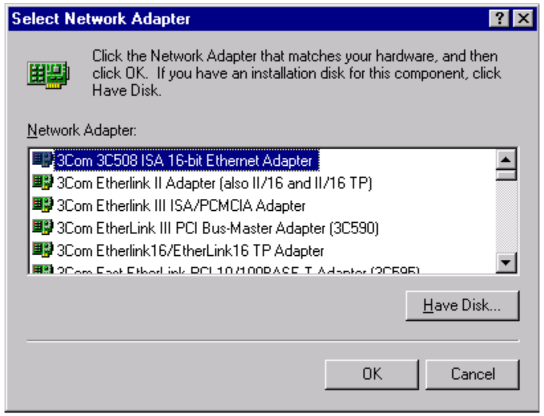
1. Windows NT is not a Plug-and-Play Operating System and will not automatically recognize the PC Card. To begin setup, select **Setting** from the **Start** Menu and Bring up the **Control Panel**. Then double-click on the **Network** icon.

2. To add the Network PC Card, you will want to click the **Adapters** tab and then click the **Add** button to continue.



Network
Identification
Services
Protocols
Adapters
Bindings
Network Adapters:
Add...
Remove
Properties...
Update
Item Notes:
OK
Cancel

3. A list of adapters will appear on the next screen. You will not want to select one of these, however, as your installation CD has all of the appropriate drivers. Click the **Have Disk** button to continue.



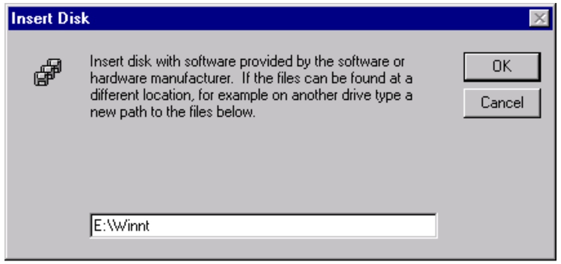
Select Network Adapter

Click the Network Adapter that matches your hardware, and then click OK. If you have an installation disk for this component, click Have Disk.

Network Adapter:

- 3Com 3C508 ISA 16-bit Ethernet Adapter
- 3Com Etherlink II Adapter (also II/16 and II/16 TP)
- 3Com Etherlink III ISA/PCMCIA Adapter
- 3Com EtherLink III PCI Bus-Master Adapter (3C590)
- 3Com Etherlink16/EtherLink16 TP Adapter

4. On the Insert Disk screen, type the path in the field. Then click the **OK** button to continue.

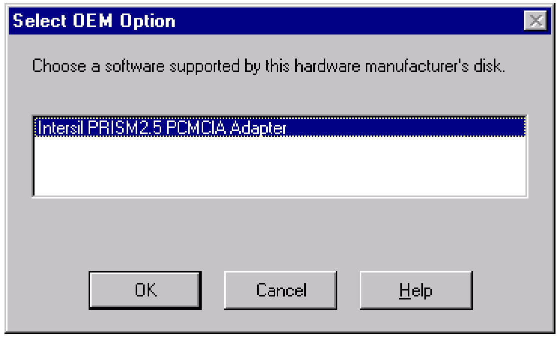


Insert Disk

Insert disk with software provided by the software or hardware manufacturer. If the files can be found at a different location, for example on another drive type a new path to the files below.

E:\Winnt

5. The select OEM Option screen will show the Intersil PRISM2.5 PCMCIA Adapter. Click the **OK** button to continue.

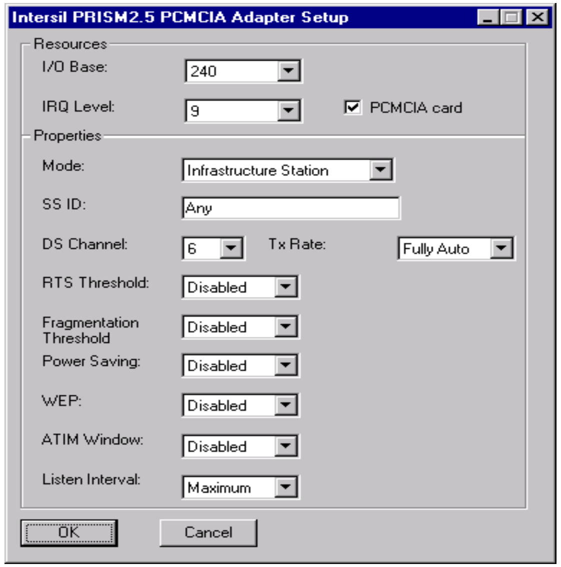


Select OEM Option

Choose a software supported by this hardware manufacturer's disk.

Intersil PRISM2.5 PCMCIA Adapter

6. You will now reach the screen shown below. This is called the **Resources & Properties** screen. Setting the fields on this screen is covered at the end of this section under the heading **setting Resource & Properties** Fields. Adjust the settings as appropriate and click the **Continue** button.



Intersil PRISM2.5 PCMCIA Adapter Setup

Resources

I/O Base: 240

IRQ Level: 9

☑ PCMCIA card

Properties

Mode: Infrastructure Station

SS ID: Any

DS Channel: 6

Tx Rate: Fully Auto

RTS Threshold: Disabled

Fragmentation Threshold: Disabled

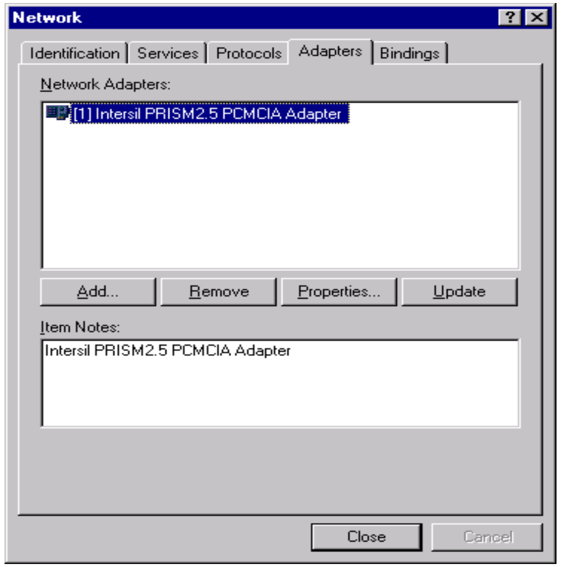
Power Saving: Disabled

WEP: Disabled

ATIM Window: Disabled

Listen Interval: Maximum

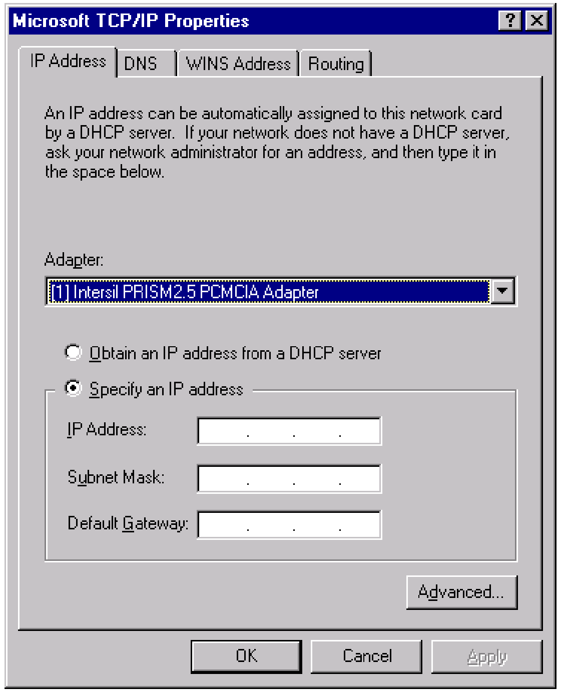
7. The PC Card has now been installed. You will see it added onto this screen. Click the **Close** button to continue.


Network
Identification
Services
Protocols
Adapters
Bindings
Network Adapters:
Add...
Remove
Properties...
Update
Item Notes:
Close
Cancel

[1] Intersil PRISM2.5 PCMCIA Adapter

Intersil PRISM2.5 PCMCIA Adapter

8. Windows will bring you to the **TCP/IP Properties** screen. Set the fields on this screen and then click the **OK** button.


Microsoft TCP/IP Properties
IP Address
DNS
WINS Address
Routing
Adapter:
IP Address:
Subnet Mask:
Default Gateway:
Advanced...
OK
Cancel
Apply

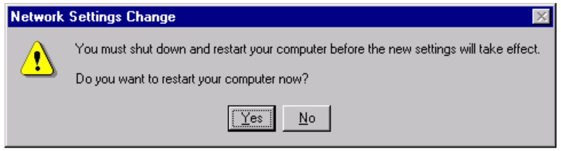
An IP address can be automatically assigned to this network card by a DHCP server. If your network does not have a DHCP server, ask your network administrator for an address, and then type it in the space below.

Adapter: [1] Intersil PRISM2.5 PCMCIA Adapter

○ Obtain an IP address from a DHCP server

● Specify an IP address

9. Windows will ask you to restart your computer. Click the **Yes** button to restart.


Network Settings Change
Yes
No

You must shut down and restart your computer before the new settings will take effect.

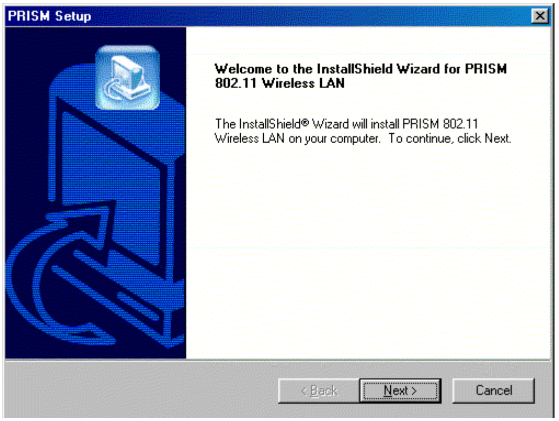
Do you want to restart your computer now?

Configuration Utility

The **Configuration Utility** is provided to allow you further customization of the PC Card adapter and your wireless network.

Install the Configuration Utility

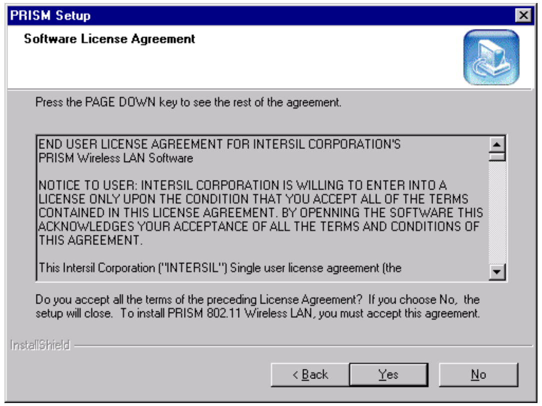
1. Execute the Sepup.exe file of Utility. Windows will bring you to the InstallShield Wizard screen. Click the **Next** button to proceed.



Welcome to the InstallShield Wizard for PRISM 802.11 Wireless LAN

The InstallShield® Wizard will install PRISM 802.11 Wireless LAN on your computer. To continue, click Next.

2. Windows will ask you for the Software License Agreement. Click the **Yes** button to continue.



Software License Agreement

Press the PAGE DOWN key to see the rest of the agreement.

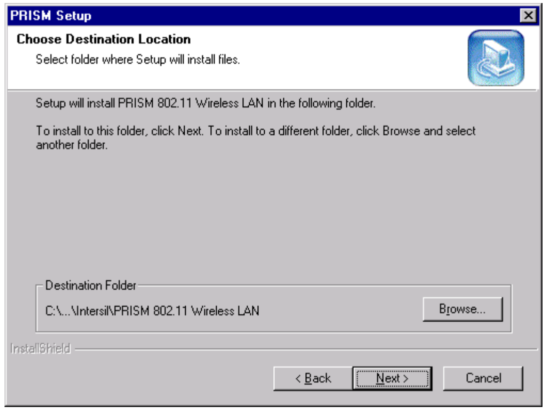
END USER LICENSE AGREEMENT FOR INTERSIL CORPORATION'S
PRISM Wireless LAN Software

NOTICE TO USER: INTERSIL CORPORATION IS WILLING TO ENTER INTO A LICENSE ONLY UPON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS LICENSE AGREEMENT. BY OPENNING THE SOFTWARE THIS ACKNOWLEDGES YOUR ACCEPTANCE OF ALL THE TERMS AND CONDITIONS OF THIS AGREEMENT.

This Intersil Corporation ("INTERSIL") Single user license agreement (the

Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PRISM 802.11 Wireless LAN, you must accept this agreement.

3. At this point, Windows will ask for the destination folder. Click the **Next** button to continue.



Choose Destination Location

Select folder where Setup will install files.

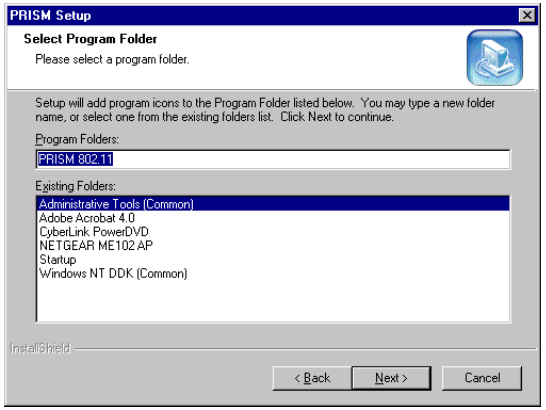
Setup will install PRISM 802.11 Wireless LAN in the following folder.

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

Destination Folder

C:\...\Intersil\PRISM 802.11 Wireless LAN

4. Windows will ask for program folder, click the **Next** button to proceed.



Select Program Folder

Please select a program folder.

Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.

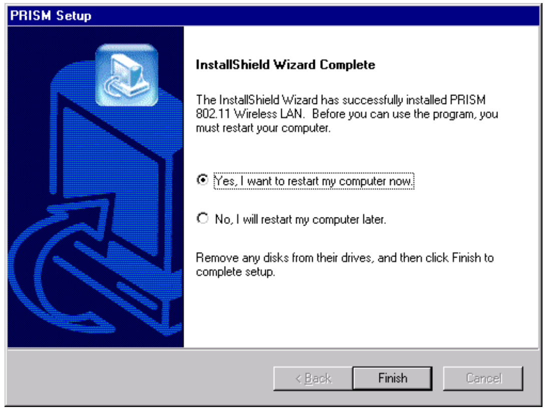
Program Folders:

PRISM 802.11

Existing Folders:

Administrative Tools (Common)
Adobe Acrobat 4.0
CyberLink PowerDVD
NETGEAR ME102 AP
Startup
Windows NT DDK (Common)

5. Windows will notify that installing has been completed. Click the **Finish** button to continue.



PRISM Setup

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed PRISM 802.11 Wireless LAN. Before you can use the program, you must restart your computer.

● Yes, I want to restart my computer now.

○ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

6. After installing the utility's software, installation will be complete. From the **Start** menu, select **PRISM 802.11** and then click **Configuration Utility.** Windows will bring you to the **Wireless LAN Configuration Utility** screen. This Utility is divided into four parts: **Link Info, Configuration, Encryption, About.**

Configure the Configuration Utility

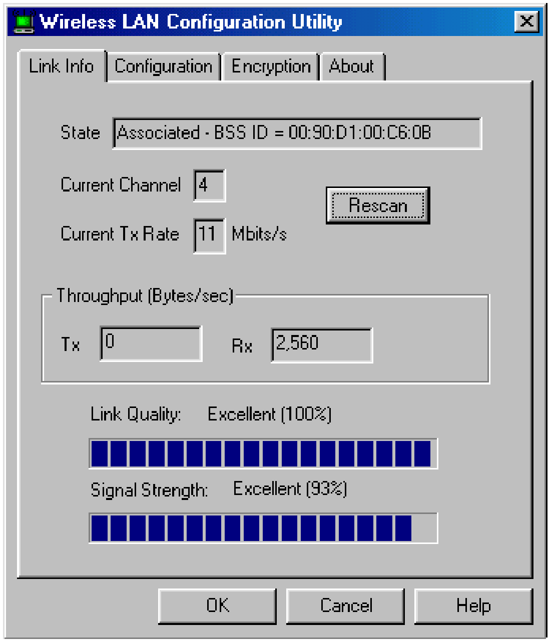
LINK INFO

The Link Info screen provides information about the current link between the PC Card and the wireless Access Point.

The **Current Channel** field shows to what channel the PC Card is set.

The **Current Tx Rate** field shows the transfer rate in megabits per second.

The **Throughput** fields show the rate at which data is transferred and received in Bytes per second.
The **Link Quality and Signal Strength** fields will be displayed by the strength of the block when applicable.



State: Associated - BSS ID = 00:90:D1:00:C6:0B

Current Channel: 4

Current Tx Rate: 11 Mbits/s

Throughput (Bytes/sec)
Tx: 0
Rx: 2,560

Link Quality: Excellent (100%)

Signal Strength: Excellent (93%)

CONFIGURATION

The Configuration screen allows you to customize the setting for the PC Card and your wireless network.

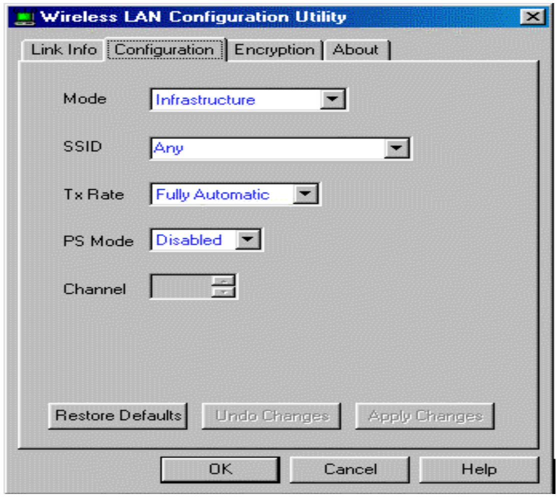
The **Mode** setting determines the architecture of your wireless network. Select **Ad-Hoc** or **Infrastructure** Mode depending on your network type. The Ad-Hoc mode is used for a simple peer-to-peer network and allows the sharing of local resources only between PC Cards without needing a wireless Access Point. The **Infrastructure** mode allows a wireless network to be integrated into an existed, wired network through an Access Point. Infrastructure networks permit roaming between Access Points while maintaining a connection to all network resources and provide additional features, such as WEP security, power saving and extended range.

The acronym for **S**ervice **S**et **I**dentifier, **SSID** is the unique name shared among all points in a wireless network. The SSID must be identical for all points in the network. It is case sensitive and must not exceed 32 characters.

The **Tx Rate** field shows the current transfer rate for the PC Card. To optimize performance and range, the Tx Rate should be set to **Fully automatic**, which will automatically adjust the transfer speed for best performance and longest range.

Power Saving Mode, or **PS Mode**, enables or disables the power saving features of your PC Card. This setting can only be enabled or disabled in Infrastructure mode.

The **Channel** setting specifies the channel used in wireless communication and should be set to the same channel as the other points in the wireless network.



Mode: Infrastructure
SSID: Any
Tx Rate: Fully Automatic
PS Mode: Disabled
Channel:

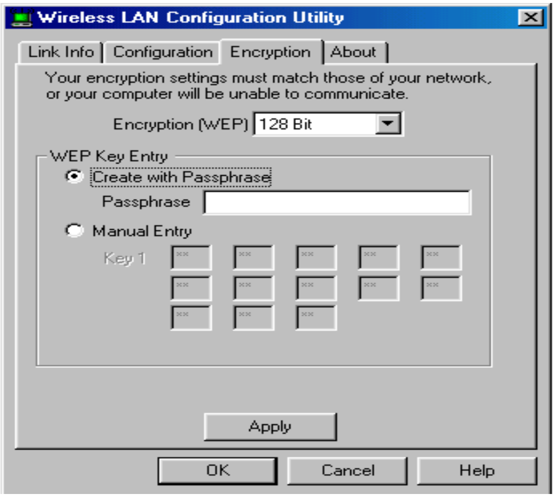
ENCRYPTION

The 40-bit WEP keys can be generated from a user-defined passphrase.

The **Passphrase** can be any text string with a maximum of 32 characters.

WEP must be enabled from the Configuration screen in order to set the 40-bit key. To generate an encryption key:

1. Type exactly the same case sensitive PassPhrase in the PassPhrase field.
2. Click the **Apply** button to create the encryption key. Te Passphrase generates four unique keys.
3. Make sure that the Default Key is the same for each point on the network.


Wireless LAN Configuration Utility
Link Info
Configuration
Encryption
About
Apply
OK
Cancel
Help

Your encryption settings must match those of your network, or your computer will be unable to communicate.

Encryption (WEP) 128 Bit

WEP Key Entry

● Create with Passphrase

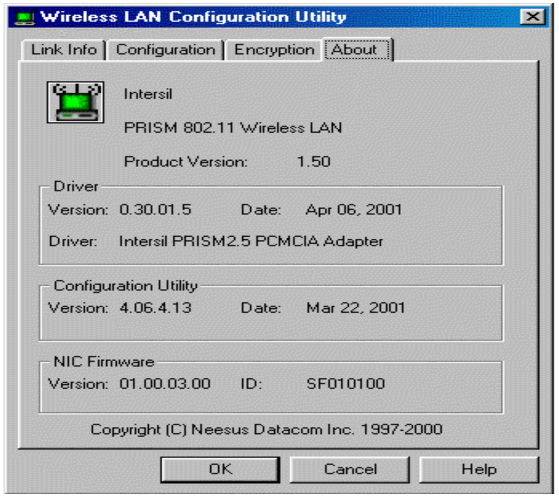
Passphrase

○ Manual Entry

Key 1

ABOUT

The **About** screen shows the release information for the Configuration Utility.


Wireless LAN Configuration Utility
Link Info
Configuration
Encryption
About
OK
Cancel
Help

Intersil

PRISM 802.11 Wireless LAN

Product Version: 1.50

Driver

Version: 0.30.01.5 Date: Apr 06, 2001

Driver: Intersil PRISM2.5 PCMCIA Adapter

Configuration Utility

Version: 4.06.4.13 Date: Mar 22, 2001

NIC Firmware

Version: 01.00.03.00 ID: SF010100

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