

Configuring Workstation Network Interface Controller Cards Windows 95/98

Disclaimer

This procedure is an optional method of troubleshooting network printing problem. It is not recommended or required for use by anyone that does not have the knowledge, tools, or the skill level to perform it.

Purpose

This procedure outlines the steps necessary to configure a workstation Network Interface Controller card to support the IP protocol. The examples in this document are from a Microsoft Windows 98 workstation.

Computer (Client) Prerequisites

A NIC card installed and driver software installed.

What is a NIC card?

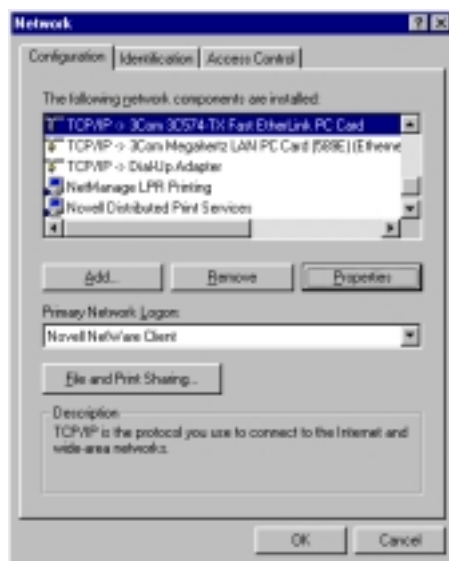
NIC stands for Network Interface Card. A NIC card enables clients the ability to physically connect a computer to a network cable. NIC cards require NIC software drivers to be loaded on the PC to run.

NIC card installation and configuration

NIC cards and NIC software drivers should be installed and configured per the manufacture specifications.

Configuring the IP address on the workstation

Right click on network Neighborhood and select properties.



Highlight the correct network adapter TCP/IP field and select the properties button.



Click on the IP address tab and select either obtain an IP address automatically or select specify an IP address. When the specify button is selected an IP address must be entered. Enter the IP address needed to conduct network testing. Enter the correct network subnet mask for the network being tested.

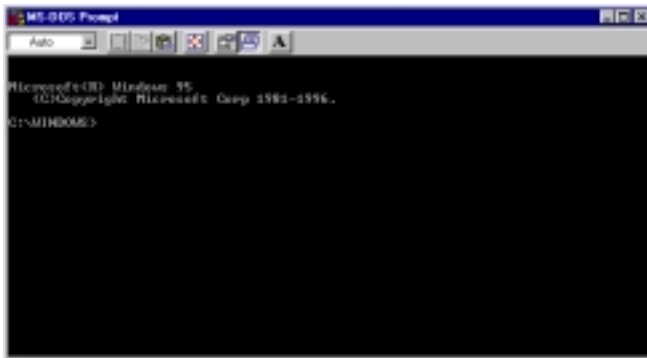
The following network information may be added from the screen above.

- ☐ DNS information; this information consist of the IP address of the Domain Naming Server
- ☐ Default Gateway IP address may be added
- ☐ WINS configuration; this contains the IP address of the Window Internet Naming server.
- ☐ NetBios contains the NetBios name information.
- ☐ Bindings used to bind the information to the network interface card.
- ☐ Advanced.

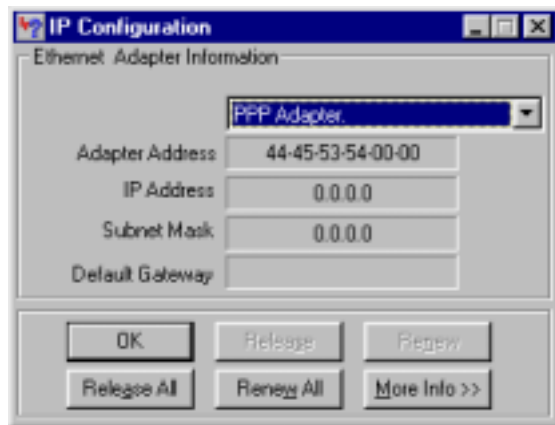
After the network interface controller is configured the workstation will require a reboot to bind the protocol to the interface.

Testing the network configuration

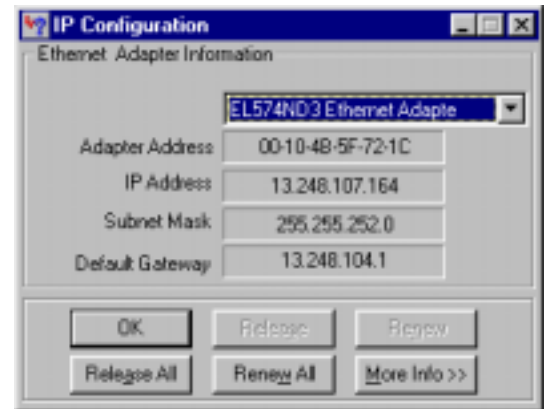
To test the network controller open the MS-Dos prompt.



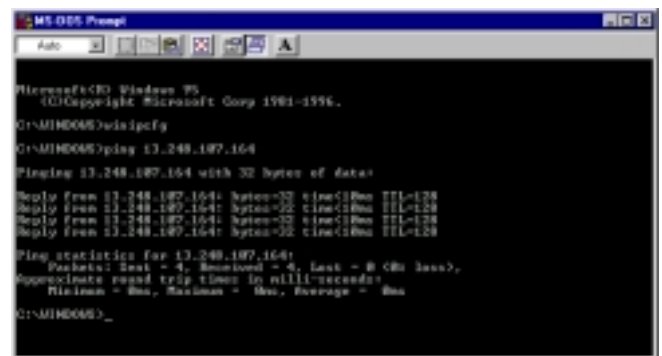
Enter on the command line the following command Winipcfg and enter.



The screen above will be displayed. Select the drop down to the right of the PPP Adapter.



The screen above displays the IP configuration of the workstation network controller interface. The buttons on the bottom of the screen are used to release or renew the IP configuration of the controller interface when using DHCP. Click the ok button to close the window.



To test the interface, at the command prompt enter the command ping and enter the controller IP address. The screen above should display replies indicating the interface is working.

To test the ability of the controller to communicate with another device on the network. Type the command ping and then enter the IP address of the remote device.

