

**D7504A
D7505A
HP 10/100 3Com 3C905B-TX**

Network Interface Card
Installation Guide

Network Interface Card
Installationsanleitung

Guide d'installation de la
carte d'interface réseau

Guía de Instalación de la
Tarjetade Interfaz de Red
Léase esto primero

Guida di installazione della
scheda di interfaccia di rete

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What's in the Network Kit?

The Network Kit includes the following items:

Component	Quantity in Network Kit	
	D7504A	D7505A
HP 10/100 3Com 3C905B-TX network interface card (NIC)	1	10
LAN driver diskettes	3	3
Remote Wake-Up cable	1	10
This <i>Installation Guide</i>	1	1

Installation Requirements

Supported Operating Systems

- Windows 95 SR2 or later
- Windows 98
- Windows NT 4.0 and Service Pack 3 or 4

The driver installation diskettes contain drivers for other network operating systems. For more information on installing these drivers, refer to the Readme files provided on the installation diskettes. The latest drivers are available on HP's Web site.

Supported Platforms

To find out in which PCs you can install a 3C905B-TX card, go to one of the following HP Web sites:

- For Vectra Corporate PCs
<http://www.hp.com/go/vectraaccessories>
- For Brio Business PCs
<http://www.hp.com/go/brioaccessories>
- For Kayak PC Workstations
<http://www.hp.com/go/kayakaccessories>

NT Service Pack

If an NT service pack is already installed on the PC, it must be re-installed **after** the card and software have been installed. When using the HP preloaded NT 4.0 software, the latest service pack can be found in the **C:\I386\SPx** directory.

On some platforms you also have to reinstall certain drivers after you install the Service Pack. Refer to your PC documentation for more information.

Operating System Master Diskettes

During the software installation you will need to have your operating system master diskettes or CD-ROM available.

When using HP preloaded operating system software, the master files can be found in the following directories:

- **C:\I386** (Windows NT 4.0)
- **C:\WINDOWS\OPTIONS\CABS** (Windows 95 and Windows 98)

Supported Network Drivers

The following network drivers are supported by HP:

Network Operating System	README (for driver installation)	Network Driver Name
Windows 95 (Microsoft and NetWare clients)	W95NDIS.TXT	EL90XND3.SYS EL90XND4.SYS
Windows 95 NDIS 2	W95NDIS.TXT	EL90X.DOS
Windows 98 (Microsoft and NetWare clients)	WIN98.TXT	EL90XND5.SYS
Windows NT 3.51 (Microsoft and NetWare clients)	WINNT.TXT	EL90XND3.SYS
Windows NT 4.0 (Microsoft and NetWare clients)	WINNT.TXT	EL90XND4.SYS
NetWare client for DOS, Windows 3.1, and Windows for Workgroups	AUTOLINK.TXT (AUTOLINK directory)	3C90X.COM
Windows for Workgroups (NetWare)	WFWNETWR.TXT	3C90X.COM
Windows for Workgroups (NDIS 2)	WFWNDIS.TXT	EL90X.DOS
Windows for Workgroups (NDIS 3)	WFWNDIS.TXT	EL90X.386
Microsoft LAN Manager	LANMAN.TXT	EL90X.DOS

Non-Supported Network Drivers

The following network drivers are provided on the *EtherDisk*[®] diskettes but are not supported by HP:

Network Operating System	README (for driver installation)	Network Driver Name
Banyan VINES	BANYAN.TXT	EL90X.DOS
Artisoft LANtastic	LANTASTK.TXT	EL90X.DOS
IBM LAN SERVER (DOS)	LANSRVR.TXT	EL90X.DOS
IBM LAN SERVER (OS/2)	LANSRVR.TXT	EL90X.OS2
DEC PATHWORKS	PATHWORK.TXT	EL90X.DOS (DOS) and 3C90X.COM (Netware)

Overview of the Installation Procedure

CAUTION

Your PC and network interface card can be permanently damaged by static electricity. Before handling the card, touch the unpainted part of your PC's metal chassis. Maintain grounding by wearing a wrist strap attached to the chassis. Handle the card by its backplate and top edge. Do not touch the edge connector.

Installing the 3C905B-TX NIC is a 4-step process. You need to:

- Install the card in your PC.
- Connect the card to the network.
- Update LAN-specific fields in the HP *PC Setup* utility.
- Install the driver software.

After you complete the installation, you can use the NIC Doctor software to troubleshoot any problems.

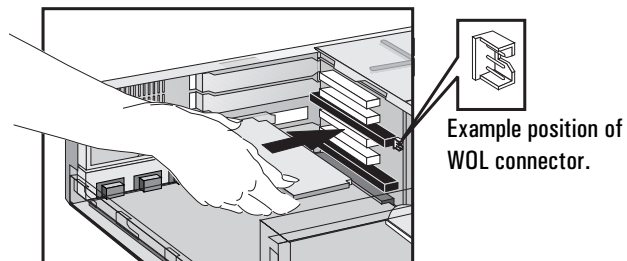
Installing the Network Interface Card

WARNING

For your safety, never remove the PC's cover without first removing the power cord, data cables and any connection to a telecommunications network. Always replace the cover before switching on again.

For complete information on how to install an accessory card, refer to your PC's documentation. This is available from your PC's support web site (refer to page 18.) The following steps are given as a guide:

- 1 With the PC turned off, disconnect the power cord and any connection to a telecommunications network, and then remove the cover.
- 2 Choose an empty PCI slot. If you do not know how to identify a PCI slot, refer to your PC's documentation.
- 3 Remove the metal slot cover.
- 4 Depending on the PC model, you may need to remove the accessory slot's retaining bracket. Refer to your PC's documentation, if necessary.
- 5 Insert the card into the accessory slot without bending it.

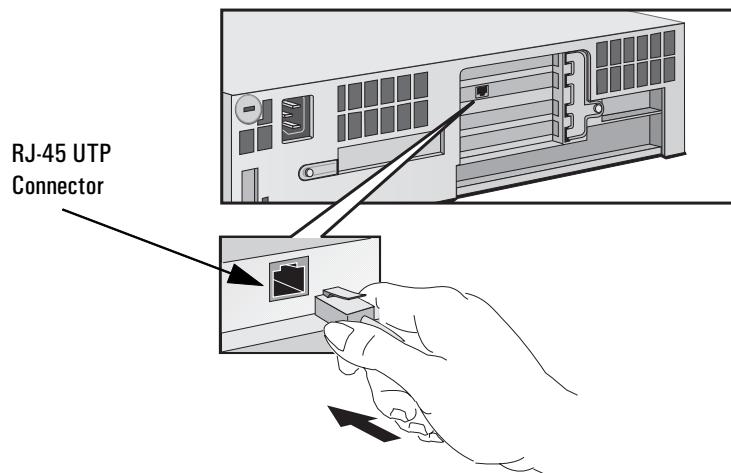


- 6 Connect the Remote Wake-Up cable to the connector on the card and to connector on the system board or backplane. For the position of the Remote Wake-Up connector, refer to "3C905B-TX NIC Specifications" on page 19. Refer to your PC's documentation for the position of the connector on the system board or backplane.

- 7 Secure the card by replacing the slot cover screw or the retaining bracket and its screw, as appropriate.
- 8 Replace the cover. Reconnect the power cord and any connection to a telecommunications network.

Connecting to the Network

Connect the network cable to the RJ-45 UTP (Unshielded Twisted Pair) LAN connector. The LAN card supports both 10 Mbits/s and 100 Mbits/s operation.



Remote Wake-Up

The network interface card is able to wake the PC from a sleep state if it receives a special sequence (known as a Magic Packet™) from the network.

Updating LAN-specific Fields in the HP PC *Setup* Utility

You need to check that the BIOS is configured to use your network card's features. To do this, use the HP PC *Setup* utility.

Starting the HP PC *Setup* Utility

- 1 Restart the PC.
- 2 Press **F2** when **F2=Setup** is displayed on the screen during startup. The opening window of the HP PC *Setup* utility is displayed.

Which Fields Need Updating?

You need to check, and update if necessary, all the fields that are LAN-related. On some PCs you may need to enable the LAN features.

Enable Plug-and-Play for Windows 95 and Windows 98

If you are using Windows 95 SR2 or Windows 98 you need to ensure that the Plug-and-Play Operating System setting of the BIOS is *enabled*. If the Main menu has **Running Windows 95, Plug and Play OS** or another item to select the operating system, set it to **Yes** or **Enabled**.

Disable Plug-and-Play for Windows NT 4.0

If you are using Windows NT 4.0 you need to ensure that the Plug-and-Play Operating System setting of the BIOS is *disabled*. If the Main menu has **Running Windows 95, Plug and Play OS** or another item to select the operating system, set it to **No** or **Other**.

Update the LAN Settings

Configure any *Setup* settings for the LAN interface using the following information as a guide. The names used in your version of the *Setup* program may be different to those shown.

If you want to boot from the network (refer to "Frequently Asked Questions" on page 16):

- Check that **Security → Boot Devices Security → Start from Network** is enabled.
- Change the boot order so that Network appears first (**Advanced → Advanced CMOS Setup → 1st Boot Device < Network >**).

If you want to wake-up your PC from the network:

- Check that the PC can be woken from the network (**Power → Suspend Wakeup → Network [Enabled]**).

If you want to power-on your PC from the network:

- Check that the PC can be powered-on from the network (**Power → Power-On → Network [Enabled]**).

Software Installation Procedure

CAUTION

Make sure that you have installed the network interface card before you install the network driver software.

Software Installation on a Windows 95 or Windows 98 System

Windows 95 Users

To install the network driver when your PC is running Windows 95:

- 1 Start the PC. Windows 95 will automatically detect a new **PCI Ethernet Controller**.
- 2 Insert *EtherDisk*[®] diskette #1 in your drive and click on **Next**.
- 3 The **3Com Fast Etherlink XL 10/100Mb TX Ethernet NIC (3C905B-TX)** driver files will be automatically found, click on **Finish** to complete the driver installation.
- 4 If prompted to insert *EtherDisk*[®] diskette #1, type **A: ** at the **Copy Files From** prompt and press ENTER. Similarly, insert *EtherDisk*[®] diskette #2 and press ENTER when prompted.
- 5 Follow the onscreen instructions. If prompted, enter the location of the Windows 95 files (CAB files) then click on **OK**. On HP Windows 95 preloaded systems, the path is **C: \WINDOWS\OPTIONS\CABS**.
- 6 Click on **Finish** to complete the network component installation.
- 7 If Windows prompts you to reboot, remove your driver diskette and click on **Yes**. The software installation is complete. Follow the instructions on page 11 to confirm your installation.

Windows 98 Users

To install the network driver when your PC is running Windows 98:

- 1 Start the PC. Windows 98 will automatically detect a new **PCI Ethernet Controller**. Click on **Next** to begin the installation.
- 2 Select **Search for the Best Driver** and click on **Next**.
- 3 Select **Floppy Disk Drives** only, insert *EtherDisk*[®] diskette #1 in your drive and click on **Next**.

- 4 The **3Com Fast Etherlink XL 10/100Mb TX Ethernet NIC (3C905B-TX)** driver files will be automatically found, click on **Next** to begin the driver installation.
- 5 If prompted to insert *EtherDisk*[®] diskette #1, type **A:** at the **Copy Files From** prompt and press ENTER. Similarly, insert *EtherDisk*[®] diskette #2 and press ENTER when prompted.
- 6 Follow the remaining onscreen instructions and enter the location of the Windows 98 files (CAB files) when prompted, then click on **OK**. On HP Windows 98 preloaded systems, the path is **C:\WINDOWS\OPTIONS\CABS**.
- 7 Click on **Finish** to complete the network component installation.
- 8 When prompted to reboot, remove your driver diskette and click on **Yes**. The software installation is complete.

Confirming Installation

Checking the Driver Installation

To confirm that the network interface card driver is properly installed in a PC running Windows 95 or Windows 98:

- 1 Double-click on the **My Computer** icon, then double-click on the **Control Panel** icon.
- 2 Double-click on the **System** icon. The **System Properties** box appears.
- 3 Click on the **Device Manager** tab. A list of devices appears, arranged by type.
- 4 Finally, double-click on **Network Adapters**. The name of the installed network interface card appears: **3Com EtherLink XL Adapter (3C905B)**. If this name does not appear or if a yellow exclamation mark appears next to it, follow this troubleshooting procedure:
 - a In the **Device Manager** window, double-click on **Other Devices**.
 - b Click on **PCI Ethernet Controller** or the duplicate **3C905B-TX NIC** entry.
 - c Click on **Remove**.
 - d Restart your PC.

Checking the Network Settings

Follow these steps to confirm that your network setting are correct on a PC running Windows 95 or Windows 98:

- 1 In the **Control Panel** window, double-click on the **Network** icon.

- 2 Ensure that you have the correct **Client** and **Protocols** installed. You may need to contact your MIS manager for this information.
- 3 Finally, double-click on each of your installed protocols and ensure that your settings are correct for your PC's connection to the LAN. You may need to contact your MIS manager for this information.

Software Installation and Update on a Windows NT 4.0 System

Windows NT 4.0 Users This section describes how to install the network driver in a PC running Windows NT version 4.0 without the networking components installed.

You will need the following information from your MIS department:

- Whether you are on a LAN or are connecting to one through a modem
- The protocol used in the Microsoft Windows Network (typically TCP/IP or NetBEUI)
- The name of the Windows NT server domain or workgroup you belong to
- Your IP address if you are using TCP/IP without DHCP

Installing the Driver from the *EtherDisk*[®] diskettes

To install the network driver in a PC running Windows NT version 4.0:

- 1 Restart the PC and start Windows NT.
- 2 Double-click on the **My Computer** icon, then double-click on the **Control Panel** icon.
- 3 In the **Control Panel** window, double-click on **Network**.
- 4 When prompted to install Windows NT Networking, click on **Yes**. If you do not receive this prompt and the **Network** control panel window appears, Windows NT Networking is already installed. You will need to add the adapter manually: click on the **Adapter** tab, then click on **Add...** and follow the instructions from step 7 onwards.
- 5 In the **Network Setup Wizard** window, select **Wired to the Network** and click on **Next**.

- 6 When prompted to start searching for a network adapter, click on **Select from List...**
- 7 In the **Select Network Adapter** window, click on **Have Disk...**
- 8 Insert *EtherDisk*[®] diskette #1 in your drive and type **A:** \ at the prompt, then press ENTER.
- 9 In the **OEM Option** window, highlight **3Com Fast Etherlink/Etherlink XL PCI BusMaster NIC** and click on **OK**, then click on **Next**. If you are in the **Network** control panel window, click on **Close** and follow the instructions from step 14 onwards.
- 10 Select the Network Protocols that are used by your LAN and click on **Next**.
- 11 Select the Network Services that should be used by your PC when connected to your LAN and click on **Next**.
- 12 Click on **Next** to begin the software installation with the settings you have provided.
- 13 Follow the onscreen instructions, if you are prompted for network information, enter the information supplied by your MIS department.
- 14 Enter the location of the Windows NT 4.0 files (CAB files) when prompted, then click on **OK**. On HP Windows NT 4.0 preloaded systems, the path is **C:\i386**.
- 15 When prompted to reboot, remove your driver diskette and click on **Yes**. The driver and network software installation is complete.

CAUTION

If a service pack was already installed on the PC before the network interface card was installed, the service pack must be reinstalled. This will overcome the **At Least One Service Failed to Start** error when Windows NT is started.

On some platforms you also need to reinstall certain drivers after installing the Service Pack. Refer to your PC documentation for more information.

Installing the Driver from the Hard Disk (Advanced Users)

To install the network driver in a PC running Windows NT version 4.0 from driver files on the hard disk:

- 1 Restart the PC and start Windows NT.
- 2 Create a folder for the drivers, for example, **C:\LAN3COM**.
- 3 Insert *EtherDisk*[®] diskette #1 in your drive and copy the entire contents to your new folder.
- 4 Insert *EtherDisk*[®] diskette #2 in your drive and copy the entire contents to your new folder. If you are prompted to overwrite any files click on **Yes**.
- 5 Perform the installation from step 2 onwards of “Installing the Driver from the EtherDisk[®] diskettes” on page 12. At step 8, specify the folder that you copied the files to, for example, **C:\LAN3COM\WINNT**.

Updating the Driver

If you already have the 3C905B-TX network driver and want to update it, follow the instructions provided below.

- 1 Double-click on the **My Computer** icon, then double-click on the **Control Panel** icon.
- 2 In the **Control Panel** window, double-click on **Network**.
- 3 In the **Network** window, click on the **Adapter** tab.
- 4 Highlight **3Com Fast EtherLink XL NIC (3C905B-TX)** and click on **Update**.
- 5 Insert *EtherDisk*[®] diskette #1 in your drive and type **A:** at the prompt, then press ENTER. The driver will be automatically updated.
- 6 Close the **Network** window and restart the computer when prompted.

CAUTION

If a service pack was already installed on the PC before the network interface card was installed, the service pack must be reinstalled. This will overcome the **At Least One Service Failed to Start** error when Windows NT is started.

On some platforms you also need to reinstall certain drivers after installing the Service Pack. Refer to your PC documentation for more information.

Checking the Installation

Test whether the card functions on the network by finding another network device or performing a network operation. If it does not work correctly, refer to “Troubleshooting” on page 17.

Using the NIC Doctor

You can use the NIC Doctor application to obtain information about your NIC and to diagnose problems with your card or network connection.

To start the NIC Doctor, click on the **Start** icon, then **Programs**, followed by **3Com NIC Utilities** and then **3Com NIC Doctor**.

You will be presented with the NIC Doctor **General** screen. This screen displays general information about your card and allows you to select the appropriate NIC if there is more than one installed in your PC. Use the labeled tabs to select the different functions:

- **Configuration Tab** — enables you to change certain configuration settings for your card.
- **Statistics Tab** — provides statistical information about your card and the LAN connection.
- **Diagnostics Tab** — can be used to run different tests on your card and network connection, including a test of the card itself.
- **Support Tab** — provides information about contacting the support services for your card.

Click on the **Help** button at any time to find out more about using the NIC Doctor.

Frequently Asked Questions

Q. Which PCI slot is best for my NIC.

A. The 3Com PCI NIC is designed to work in any PCI slot.

Q. Which PCI slot(s) are "bus mastering" in my PC?

A: All PCI slots on the supported HP PCs support Bus Master.

Q. Where do I find the driver installation Readme files?

A. The various Readme files can be found in the \HELP directory of *EtherDisk*[®] diskette #3.

Q. Can I use the NIC instead of the integrated LAN supplied on my PC?

A. Yes, but you will need to deactivate the integrated LAN. Your PC's *User's Guide* will tell you how to do this. You might not be able to use the Remote Power-On feature of your NIC because some PCs with an integrated LAN do not have a remote wake-up connector.

Q. How do I remove the software that comes with the NIC from my system?

A. You can remove the 3Com NIC Diagnostics Program from your system at any time by running the uninstaller in the Add/Remove Programs Control Panel. This will remove the diagnostics program and the 3Com tray Icon. If you remove all the Fast EtherLink XL/EtherLink XL NICs from the Network control panel the uninstall program will be run automatically.

Q. Does the NIC support shared interrupts?

A. The PCI NIC and the drivers supplied support shared interrupts. However, because there is no industry-standard way of implementing shared interrupts, other NICs may support them differently, or not at all. If you have another PCI NIC that does not support shared interrupts, either contact the manufacturer for a shared interrupt driver or try to manually assign it a different interrupt. Additionally, your Operating System may not properly support shared interrupts.

Q. Can the NIC be configured to boot from the network?

A. Yes, but you can only boot a PC from the network if it has boot ROM integrated in its BIOS (for example, the HP Vectra VL Series 8 PC) or if a boot ROM chip is installed on the NIC. This component can be ordered from 3Com. To configure the card for remote boot, use your PC's *Setup* program.

Troubleshooting

The 3C905B-TX Card Does Not Work

If your network interface does not work, try the following:

- 1 Check that:
 - The card is correctly installed (refer to “Installing the Network Interface Card” on page 7.)
 - The LAN-specific fields in the HP PC *Setup* utility are correctly set (refer to “Updating LAN-specific Fields in the HP PC Setup Utility” on page 9.)
 - The software installation steps have been followed (refer to “Software Installation Procedure” on page 10.)
- 2 Check the network cables. In particular, check that the network cable connections are secure and that the cables are not damaged. If you find any loose connections or damaged cables, fix them and then see if your PC can communicate on the network.
- 3 Check that either the 10 LNK or 100 LNK green LED on the 3C905B-TX NICs rear panel is on (refer to “3C905B-TX NIC Specifications” on page 19.) The green LED on the card's rear panel is off when there is no network link, for example, when the LAN cable is not connected to the network hub.
- 4 For NT 4.0 systems, check that your Service Pack has been reinstalled. In case of doubt, reinstall the Service Pack. On some platforms you also need to reinstall certain drivers after installing the Service Pack. Refer to your PC documentation for more information.

The PC Cannot Be Started or Woken-Up from the Network

- 1 If the PC has been powered off (for example, due to an electrical power failure, or because the power cord has been removed), the Remote Power On (RPO) will not work. To enable the RPO, you must first power on the PC, allow the Operating System to boot, then shut down the PC.
- 2 Check that the WOL connector cable is connected to the network interface card and to the PC's system board.
- 3 Check that the LAN-specific fields in the HP PC *Setup* utility are correctly set (refer to refer to “Updating LAN-specific Fields in the HP PC Setup Utility” on page 9.)

NOTE

RPO is only supported under Windows 95, Windows 98 and Windows NT 4.0.

HP Support Services

The latest drivers and utilities are available on HP's Web site at:

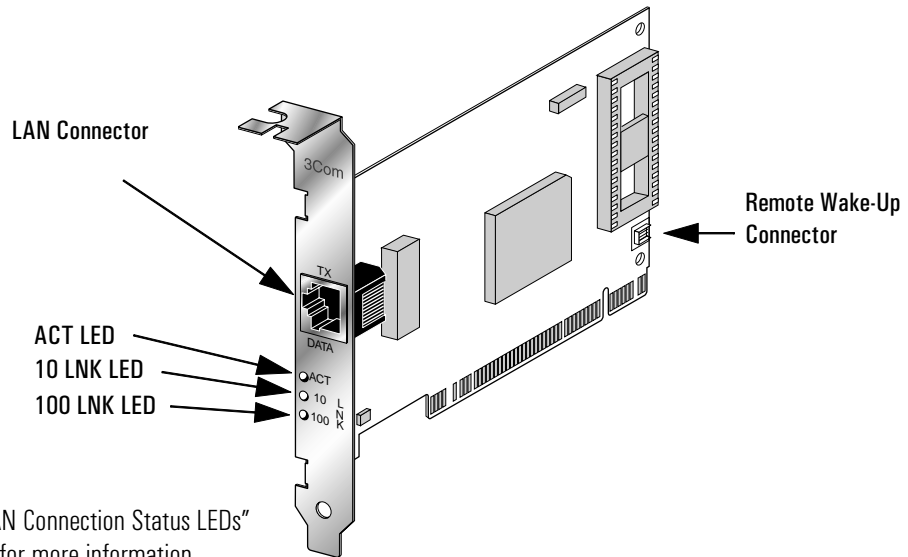
For HP Vectra PCs [**www.hp.com/go/vectrasupport**](http://www.hp.com/go/vectrasupport)

For HP Brio PCs [**www.hp.com/go/briosupport**](http://www.hp.com/go/briosupport)

For HP Kayak PC
Workstations [**www.hp.com/go/kayaksupport**](http://www.hp.com/go/kayaksupport)

3C905B-TX NIC Specifications

Physical Layout



Refer to "LAN Connection Status LEDs" on page 20 for more information

Specifications

Network Interface	<ul style="list-style-type: none"> 10 Mbps Ethernet 10BASE-T: Ethernet IEEE 802.3 industry standard for a 10 Mbps baseband CSMA/CD local area network. 100 Mbps Ethernet 100BASE-TX: Ethernet IEEE 802.3u industry standard for a 100 Mbps baseband CSMA/CD local area network.
Physical Dimensions	<ul style="list-style-type: none"> Height: 8.57 cm (3.75 in.) Length: 12.07 cm (4.75 in.)
Environmental Operating Range	<ul style="list-style-type: none"> Operating temperature: 0° to 70° C (32° to 158° F) Humidity: 10 to 90% noncondensing
Power Requirements	<ul style="list-style-type: none"> Operating voltage: +5 V ± 5% @650 mA max

LAN Connection Status LEDs

There are three LEDs on the rear of the 3C905B-TX NIC that indicate the LAN connection status as follows:

LED	Description	Flashing	Steady	Off
10 LNK	Green: Link integrity	Reversed polarity	Good 10BASE-T connection between NIC and hub	No connection between NIC and hub
100 LNK	Green: Link integrity	Reversed polarity	Good 100BASE-TX connection between NIC and hub	No connection between NIC and hub
ACT	Yellow: Port traffic for either speed	Network traffic present	Heavy network traffic	No traffic

Regulatory Information

DECLARATION OF CONFORMITY
According to ISO/IEC Guide 22 and EN 45014

Manufacturer's Name: HEWLETT-PACKARD
Manufacturer's Address: 5 Avenue Raymond Chanas
38053 Grenoble Cedex 09
FRANCE

Declares that the product: **Product Name:** HP 10/100 3Com 3C905B-TX Network Interface Card
Model Number: D7504A & D7505A

Conforms to the following Product Specifications:

SAFETY International: IEC 60950:1991 + A1 + A2 + A3 + A4 / GB4943-1995
Europe: EN 60950:1992 + A1 + A2 + A3 + A4

EMC CISPR 22:1993 + A1 + A2 / EN 55022:1994 Class B ¹⁾
GB9254-1988
EN 50082-1:1992
IEC 801-2:1992 / prEN 55024-2:1992 - 4kV CD, 8kV AD
IEC 801-3:1984 / prEN 55024-3:1991 - 3V/m
IEC 801-4:1988 / prEN 55024-4:1992 - 0.5 kV Signal Lines,
1 kV Power Lines
IEC 555-2:1982 + A1:1985 / EN60555-2:1987
IEC 1000-3-3:1994 / EN61000-3-3:1995
FCC Title 47 CFR, Part 15 Class B ²⁾ / ICES-003, Issue 2
VCCI-B
AS / NZ 3548:1992

Supplementary information: The product herewith complies with the requirements of the following Directives and carries the CE-marking accordingly:
The EMC directive 89/336/EEC and the Low Voltage Directive 73/23/EEC, both amended by the directive 93/68/EEC.

¹⁾ The product was tested in a typical configuration with Hewlett-Packard Personal Computer Systems.

²⁾ 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Grenoble
January 1999

Jean-Marc JULIA
Quality Manager



For Compliance Information ONLY, contact:
Hewlett-Packard Company, Corporate Product Regulations Manager,
3000 Hanover Street, Palo Alto, CA 94304. (Phone: (415) 857-1501)

FCC (for USA only)

Federal Communications Commission Radio Frequency Interference Statement

Warning:

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 and 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 correct the interference by one or more of the following measures:

- reorient or relocate the receiving antenna
- increase the separation between the equipment and the receiver
- connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- consult the dealer or an experienced radio/TV technician for help.

Hewlett-Packard's FCC Compliance Tests were conducted with HP-supported peripheral devices and HP shielded cables, such as those you receive with your system. Changes or modifications not expressly approved by Hewlett-Packard could void the user's authority to operate the equipment.

Notice for Canada

This Class B digital apparatus with the Canadian ICES-003 Regulations.
Cet appareil numérique est conforme à la norme NMB-003 du Canada.

Notice for Japan

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取り扱い説明書に従って正しい取り扱いをして下さい。

Hardware Warranty

This HP accessory is covered by a limited hardware warranty for a period of one year from the date of purchase by the original end-user. The type of service provided is return to an HP or repair-authorized reseller service-center.

At Hewlett-Packard's discretion, a defective accessory will be repaired or replaced by a new unit, either of the same type or of an equivalent model.

If this accessory is purchased and used together with an HP Vectra or HP Brio personal computer or HP Kayak PC Workstation, it will be covered by the warranty of this computer or workstation, under the same conditions of service and duration.

Please, refer to the warranty statement provided with your HP personal computer or PC workstation for warranty limitations, customer responsibilities and other terms and conditions.

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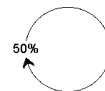
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