

Late-breaking News

For support and drivers:
<http://support.intel.com>

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Use the Latest Drivers

Make sure you use the latest drivers for this adapter. Check Intel's support Web site for newer drivers:

<http://support.intel.com/support/etherexpress/pro100/software.htm>

Adding an Adapter While Installing Windows* NT*

The Intel driver that ships with NT 4.0 is an older driver that does not support this adapter.

Therefore, if you want to install the PRO/100+ Server adapter software while installing Windows NT, you need to either install the adapter after the installation of Windows NT is complete, or install the adapter software from a floppy installation disk created from the Intel CD (using the MAKEMS.BAT file in the \MAKEDISK directory).

If You Already Have an Intel Adapter Installed

Windows 98: If you are adding the PRO/100+ Server adapter to a Windows 98 system that already has an Intel adapter installed, see *Updating software and drivers in Windows 98* later in this document.

Other Systems: Make sure you remove (via the software) the existing adapter before you install the PRO/100+ Server adapter software and drivers. This guarantees that the features specific to the PRO/100+ Server adapter are loaded on your system.

Moving Adapters in Windows NT 4.0

If you're moving the PRO/100+ Server adapter to a different slot in the same Windows NT system, remove the adapter in the Network control panel (thus removing the drivers). After you remove the drivers and move the adapter, reinstall the drivers.

Full Duplex Support

Full duplex is an optional setting that can improve adapter performance. To run the PRO/100+ Server adapter at full duplex, you must be connected to a full duplex switch.

If your TX switch supports auto-negotiation, the PRO/100+ Server adapter and switch negotiate to select the best mode. If your TX switch is forced to full duplex (auto-negotiation is disabled), you must manually change the adapter to full duplex. Refer to the *Installation Guide* or the Duplex Support readme file for complete instructions.

Identifying Your Adapter

The PRO/100+ Server adapter has a numeric label on it to help you identify it in the future. Adapters with a label of 729757-xxx are PRO/100+ Server adapters.

You can find more identification information and the latest drivers for this adapter and others on the network adapters section of Intel's support Web site.

Updating Software and Drivers in Windows 98

If you're using Windows 98 and updating or adding adapter drivers, make sure you choose the option, "Display a list of all the drivers." Then choose the adapter from the list and click Have Disk to update the drivers from the CD that ships with this adapter.

Viewing the Readme Files

To view the readme files, insert the Intel CD in a drive, switch to that drive, and type:

```
SETUP /README 
```

Topics include:

- Installing adapter drivers
- Latest news and general adapter information
- Hardware specifications and cabling information
- Adapter installation and special configurations
- Running diagnostics

Running SETUP.EXE

On DOS/Windows 3.1 computers, use the SETUP.EXE utility on the Intel CD to automatically install the DOS ODI* driver, run diagnostics, get help with installation problems, and view adapter information and Help files. Be sure to run it under MS-DOS* only, not in a DOS window.

If you run SETUP with network drivers already loaded, a dialog box appears advising you to unload the network drivers. For DOS ODI clients, you can restart without unloading drivers (press **F5** when DOS starts), or you can use the unload command from the DOS prompt. For example:

```
C:\v1m /u   
C:\ipxodi /u   
C:\e100bodi /u   
C:\ls1 /u 
```

Note that you must unload drivers in the reverse order of their loading.

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DMI-SNMP Support

DMI-SNMP support is included on the Intel CD-ROM. For more information on installation and configuration see the readme files in the folders and sub-folders in the \DMI-SNMP folder.

DOS ODI Support

Make sure you're using the most recent NetWare* VLMs with the E100BODI.COM driver. Older VLMs may hang or lock your system.

PCI Interrupts

Shared Interrupts

The PRO/100+ Server adapter drivers support shared interrupts in most operating systems (except OS/2*). If you think you have another PCI device that doesn't support shared interrupts (for example, a SCSI controller), contact its manufacturer for a shared interrupt driver. Or, try running your computer's CMOS Setup (BIOS configuration) program to assign a unique, non-shared interrupt to one of the PCI devices.

Configuring Interrupts

PCI computers automatically detect and configure PCI-compliant adapters while booting. The PRO/100+ Server adapter interrupt and I/O address are automatically set by the BIOS each time you start your computer.

If you need to manually change the interrupt, refer to your computer user's guide for instructions. The adapter's SETUP and PROSet programs cannot modify the interrupt setting.

LANDesk® Traffic Analyst 2.0

If you're using LANDesk Management Suite 2.0 and a Novell DOS ODI client driver on your workstation, load RXMONSTK.COM (supplied by Novell) after loading LSL. Also, be sure you have updated VMON.386 to version 12-14-95 (or later). It supports the latest NetWare ODI client specification (v4.0). You can download the VMON.386 file from Intel's Web site, <http://support.intel.com>.

UNIX* Users

When installing the adapter driver, refer to the \INFO\UNIX\UNIX.TXT readme file to determine the correct driver to use.

NetWare Client 32* for Windows 95, DOS/Windows 3.1

When you install the Client 32 drivers from Novell, the PRO/100+ Server adapter appears on the list of supported adapters. However, the listed driver is older—use the newer driver on the CD that ships with this adapter.

Also, Intel recommends that you select and install the AHSM driver from the list of options.

NetWare 3.11 Servers

On NetWare 3.11 servers, the driver won't operate correctly unless you modify the server's STARTUP.NCF to include:

```
SET MAXIMUM PHYSICAL RECEIVE PACKET SIZE = 2048
```

This specifies the size for preallocated server buffers. Note, however, that it does not affect the size of the data packets. Use the existing value or larger. See the NetWare 3.11 installation instructions for more details.

Note that the 3.2 spec driver for NetWare 3.11 servers is in the directory \NWSERVER\311LAN on the Intel CD. See the NetWare 3.11 readme file for more information.

NetWare 3.12 Servers

If you're having problems installing a second adapter on a NetWare 3.12 server, load the adapter with I/O map mode set to 1.

Boot Agent Documentation

If you require documentation on the Intel® Boot Agent, you can download a .PDF manual from Intel's support Web site at:

<http://support.intel.com/support/etherexpress/pro100/manual.htm>

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Intel Corporation, 5200 N.E. Elam Young Parkway, Hillsboro, OR 97124-6497

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