

OPENSTEP for Mach Intel Processors

Release 4.x

Networking Driver Overview

Driver: Intel 82557 Network

Driver Overview: NeXTanswer #2313

Last Update: October 3, 1996

Availability Information

A version of this driver is on the CDROM

Newer Released Driver in NeXTanswers*: Yes, Version 0.00, as NeXTanswer #2315

Newer Beta Driver in NeXTanswers*: No, Version 0.00, as NeXTanswer #2314

Driver Name / Installer .pkg: Intel82557NetworkDriver

Driver Type: Networking

Driver Scope: Product Family

Supported Components: Intel i82557

PC Bus / Interface Supported by Driver:** PCI

General Overview notes: This driver supports the Intel EtherExpress PRO/100(model B) PCI adapter family as well as the Intel EtherExpress PRO/10+ PCI adapter family. Both families of adapters are based on the Intel 82557 chipset.

Supported Products / Add-on Adapters:

Intel EtherExpress PRO/100 PCI LAN Adapter (PILA8465BX) (10Base-T, 100Base-TX)

Intel EtherExpress PRO/100 PCI LAN Adapter (PILA8475B) (10Base-T, 100Base-T4)

Intel EtherExpress PRO/10+ PCI LAN Adapter (PILA8500) (BNC, AUI, RJ-45)

Intel EtherExpress PRO/10+ PCI LAN Adapter (PILA8520) (RJ-45)

Supported Products / Systems (ie integrated into PC System):

Special Features of Driver / Driver Notes:

Networking Driver Details

Network Type:** 100 Base T4, 100 Base TX, EtherNet, Full Duplex

Speed*: 10 Mb/s, 100 Mb/s

Access Mode:** Bus Master DMA

Buffer Size*: N/A

Supported Connectors:** AUI, BNC, UTP

Known Problems

Slow NFS server machines may not work correctly in 100Base-T modes. Client machines connecting to these servers may hang when performing any operations over NFS.

Driver Version Notes

3.30 - Initial beta version

3.32 - Improved performance; added workaround for intermittent receiver errata to prevent hang

4.00 - Released on OPENSTEP 4.0 User CD-ROM (based on 3.32)

3.33 - Added support for Pro/10+ PCI adapter

Future Planning

Future / Update Planning:

Reason for New Driver / Update:

New Driver / Update Timeframe:

New Driver / Update Description:

Note: Information contained in the "Future Planning" section of this document does not constitute a commitment on the part of NeXT to complete the planned development work.

* - Any NeXTanswer number that is blank indicates that a driver will not be released for this version of NEXTSTEP.

** - Indicates information that is inclusive of the entire capability of this driver. Not all devices supported by this driver may include all features listed. Check any available NeXTanswers and the hardware manual for the device for additional information.

Product Vendor

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