

# NEXTSTEP for Intel Processors Release 3.3

## Networking Driver Overview

**Driver:** Intel 82557 Network  
**Driver Overview:** NeXTanswer #2109  
**Last Update:** March 26, 1998

### Availability Information

**Newer Released Driver in NeXTanswers\*:** Yes, Version 3.33, as NeXTanswer #2110  
**Newer Beta Driver in NeXTanswers\*:** Yes, Version 3.36, as NeXTanswer #2111

**Driver Name / Installer .pkg:** Intel82557NetworkDriver  
**Driver Type:** Networking  
**Driver Scope:** Product Family  
**Supported Components:** Intel i82557, Intel i82558  
**PC Bus / Interface Supported by Driver\*\*:** PCI

**General Overview notes:** This driver supports the Intel EtherExpress PRO/100+, PRO/100(model B), and the PRO/10+ PCI adapters. The PRO/100+ adapter used the 82558 ethernet controller, while the other two adapter families uses the 82557 controller.

**Supported Products / Add-on Adapters:**  
Intel EtherExpress PRO/100+ PCI LAN Adapter (10Base-T, 100Base-TX)  
Intel EtherExpress PRO/100 PCI LAN Adapter (PILA8465B) (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

## Driver Version Notes

- 3.30 - Initial beta version
- 3.32 - Improved performance; added workaround for intermittent receiver errata to prevent hang
- 3.33 - Added support for Pro/10+ PCI adapter
- 3.36 - Added support for 82558 based adapters

## 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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