

NEXTSTEP for Intel Processors Release 3.3

Networking Driver Overview

Driver: DEC21X4XNetwork

Driver Overview: NeXTanswer #2543

Last Update: October 24, 1997

Availability Information

Newer Released Driver in NeXTanswers*: No, Version 0.00, as NeXTanswer #2545

Newer Beta Driver in NeXTanswers*: Yes, Version 3.31, as NeXTanswer #2544

Driver Name / Installer .pkg: DEC21X4XNetwork

Driver Type: Networking

Driver Scope: Specific Product

Supported Components: DEC DECchip21040, DEC DECchip21041, DEC DECchip21140, DEC DECchip21142, DEC DECchip21143

PC Bus / Interface Supported by Driver:** PCI

General Overview notes: This driver supports PCI-bus network adapters or on-board network adapters based on DECchip 21X4X LAN Controller. This includes the 21040, 21041, 21140, 21142, and 21143 LAN Controllers. Both 10Mb/s and 100Mb/s connection speeds are supported.

Supported Products / Add-on Adapters:

Adaptec-Cogent ANA-6911A/TX

Cogent EM110-TX Fast Ethernet 10/100 Adapter

Cogent EM960 PCI

DEC DE500 (21143 based) PCI 10/100

DEC DE500 Fast EtherWORKS PCI 10/100

DANPEX PCI Ethernet (EN-9400P3)

SMC 9332 Fast Ethernet 10/100 Adapter

SMC PCI EtherPower (SMC 8432)

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

- DEC Celebris GL On-Board LAN Adapter (21142/21143, 10 Mb/s module)
- DEC Celebris GL On-Board LAN Adapter (21142/21143, 10/100 Mb/s module)

Special Features of Driver / Driver Notes:

This device driver provides information in the Configure application's help panel. Choose Info>Help from the Configure menu and scroll down to find this device driver's help topic.

Networking Driver Details

- Network Type**:** 100 Base FX, 100 Base T4, 100 Base TX, EtherNet, Full Duplex
- Speed*:** 10 Mb/s, 100 Mb/s
- Access Mode**:** Bus Master DMA
- Buffer Size*:** NA
- Supported Connectors**:** AUI, BNC, UTP

Known Problems

Due to ongoing development and testing of OPENSTEP 4.0, the beta version (v3.30) of this driver will neither be tested on NEXTSTEP 3.3 nor upgraded to "Released" status.

Driver Version Notes

- 3.30 - Initial release
- 3.31 - Fixed a SROM parsing bug which prevented the driver from working with the ANA-6911A/TX cards.

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