OPENSTEP for Mach Intel Processors Release 4.x
SCSI Driver Overview

Driver: BusLogic family
Driver Overview: NeXTanswer #2208
Last Update: July 12, 1996

Availability Information

A version of this driver is on the CDROM
Newer Released Driver in NeXTanswers*:   No, Version 0.00, as NeXTanswer #2210
Newer Beta Driver in NeXTanswers*:   No, Version 0.00, as NeXTanswer #2209

Driver Name / Installer .pkg: BusLogicSCSIDriver
Driver Type: SCSI
Driver Scope: Product Family
Supported Components: BusLogic BA90C30
PC Bus / Interface Supported by Driver:** EISA, ISA, PCI, VL-Bus

General Overview notes: The BusLogic SCSI driver is designed to support the 747C and 445C series SCSI adapters from BusLogic. This driver is specifically designed to support the 32bit extended modes supported by these adapters. In comparison to the Adaptec 154x compatible mode previously used to support the 747S and 445S adapters, these extended modes provide additional performance, and remove the double buffering required by the16MB address limitation. This driver may work with other versions of BusLogic SCSI adapters such as the 545C, 747S and 445S. Since these adapters are supported in Adaptec compatibility mode with the existing Adaptec 154x driver, this driver will only be tested and supported on the latest generation, higher performance 747C and 445C series adapters. Note: In general this driver was designed to work with any BusLogic bus master SCSI adapter.

Supported Products / Add-on Adapters:
BusLogic 546C ISA SCSI Host Adapter
BusLogic 747C EISA SCSI Host Adapter
BusLogic 445C VL-Bus SCSI Host Adapter
BusLogic 946C PCI SCSI Host Adapter (rev C and D only)
BusLogic 948 PCI SCSI Host Adapter (not tested, reported to work)
BusLogic 958 PCI Wide SCSI Host Adapter (not tested, reported to work)

Supported Products / Systems (ie integrated into PC System):
Canon object.station 41

Special Features of Driver / Driver Notes:
The onboard floppy controller, available on some cards, is not supported.

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.

SCSI Driver Details

Supported Connectors: 50-pin Centronics (Standard SCSI), 50-pin Header (Internal SCSI)
Access Mode: DMA
Attributes:**   SCSI-2
Cache Size Supported:** N/A

Known Problems

BusLogic firmware revs. before 4.25J may not work with this driver. In particular, firmware version 4.21 had a bug, which caused the Read Capacity data to be read up incorrectly.

BusLogic 946C rev A and B do not work with our driver.

Driver Version Notes

4.01 - Released on OPENSTEP 4.0 User CD-ROM

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.

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