dptr

DPT host adapter device driver

Description

dptr is the device driver for the entire line of DPT host adapter cards. It includes multi-channel, wide SCSI, and PCI support, and supports all SmartCache III, SmartCache Plus, and SmartRAID products. For technical support, upgrades, purchases, or product information, contact DPT at (407) 830-5522 in the US.

A curses version of **Storage Manager** is available for the SCO OpenServer system that allows you to configure and monitor your RAID system. Obtain this directly from DPT. If you want to install the SCO OpenServer system, you must create the RAID system first by running **Storage Manager** for DOS. Once you have configured your RAID system using **Storage Manager**, you can add RAID to an existing system or install **RAID** on a new system using the **dptr** driver.

Configuring the dptr driver

You can configure the **dptr** driver using entries in */etc/conf/cf.d/mdevice* and */etc/conf/sdevice.d/dptr*. See *mdevice*(F) and *sdevice*(F). Changes to these files take effect once you relink the kernel using **link_unix**(ADM) and reboot the system.

Configure **dptr** driver-specific characteristics by editing the */etc/conf/pack.d/dptr/space.c* file.

Boot time configuration of SCSI

Use the **bootstring**(HW) parameters to override the default hardware configuration information. Of special interest are the **adapter=** parameter that specifies information for the host adapter card that plugs into or is part of the motherboard, and the ***periph*=** parameter that specifies information about the host adapter being used by one of the generic peripheral interfaces (**Sdsk**, **Srom**, or **Stp**).

ioctl commands

The **dptr** driver supports all standard SCSI ioctls that are defined in the <*sys/scsicmd.h*> header file and documented on the **scsi**(HW) manual page.

Diagnostics

These error messages associated with **dptr** may display on the console. See **messages**(M) for general information about kernel error messages, including a list of generic device driver errors.

`WARNING: dptr: Adapter` ***n*** `does not support BusMaster DMA`
: The adapter has not been set to support DMA.

`WARNING: dptr: Host adapter` ***n*** `timeout, resetting`
: The host adapter timed out and had to be reset.

`WARNING: dptr: Port 0x`***m*** `internal failure, status=0x`***n***
: Self test detected an error on a host adapter register.

Files

/usr/include/sys/scsicmd.h

SCSI interface header files

See also

boot(HW), **link_unix**(ADM), **mdevice**(F), **mkdev**(ADM), **sconf**(ADM), **scsi**(HW), **sdevice**(F)

Chapter 16, "Adding SCSI host adapters and peripherals" in the *SCO OpenServer Handbook*
SCO OpenServer *System Administration Guide*