NAME

trantor – low-level module for Trantor T348 Parallel SCSI host bus adapter

SYNOPSIS

trantor@*ioaddr***,0**

AVAILABILITY

x86

DESCRIPTION

The **trantor** module provides low-level interface routines between the common disk/tape I/O subsystem and the Trantor T348 Mini-SCSI-Plus parallel host bus adapter. The Trantor T348 is a SCSI (Small Computer System Interface) host bus adapter that plugs into a parallel port (rather than a bus slot). It offers lower performance than other host bus adapters, but has the advantage of being compatible with notebook computers which do not accept a standard host bus adapter card.

CONFIGURATION

Auto configuration code determines whether the adapter is present at the configured address. Auto configuration code also determines what types of devices are attached to the adapter.

The **trantor** driver attempts to initialize itself in accordance with the information found in the configuration file, **trantor.conf**. The relevant user configurable items in this file are as follows:

reg — **reg** consists of a 3-tuple of integers. The first integer is the bus I/O address of the parallel port the Trantor T348 is connected to. The second and third integer are usually **0**. See **sysbus**(4) for more information.

ioaddr — The bus I/O address of the parallel port the Trantor T348 is connected to.

intr — The interrupt request (IRQ) level of the parallel port the Trantor T348 is connected to. See **sysbus**(4) for more information.

The standard configuration file contains entries for the three common parallel port configurations as follows:

```
name="trantor" class="sysbus" intr=3,5 reg=0x278,0,0 ioaddr=0x278
        flow_control="dsngl" queue="qsort" disk="scdk" tape="sctp" ;
name="trantor" class="sysbus" intr=3,7 reg=0x378,0,0 ioaddr=0x378
        flow_control="dsngl" queue="qsort" disk="scdk" tape="sctp" ;
name="trantor" class="sysbus" intr=3,7 reg=0x3bc,0,0 ioaddr=0x3bc
        flow_control="dsngl" queue="qsort" disk="scdk" tape="sctp" ;
```

FILES

/kernel/drv/trantor.conf — **trantor** device driver configuration file

SEE ALSO

driver.conf(4), **sysbus**(4)

NOTES

The **trantor** driver can support only one T348 adapter per system.

The **trantor** driver does not support the T348 pass-through parallel port.

The **trantor** driver does not support concurrent use of SCSI devices and any other device (such as a printer) connected to the same parallel port. All SCSI devices must be closed before any other peripheral devices on the parallel port can be accessed.