NAME
firewire - IEEE1394 High-performance Serial Bus

SYNOPSIS
To compile this driver into the kernel, place the following line in your kernel configuration file:

device firewire

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

firewire_load="YES"

DESCRIPTION
FreeBSD provides machine-independent bus support and raw drivers for **firewire** interfaces.

The **firewire** driver consists of two layers: the controller and the bus layer. The controller attaches to a physical bus (like pci(4)). The **firewire** bus attaches to the controller. Additional drivers can be attached to the bus.

Up to 63 devices, including the host itself, can be attached to a **firewire** bus. The root node is dynamically assigned with a PHY device function. Also, the other **firewire** bus specific parameters, e.g., node ID, cycle master, isochronous resource manager and bus manager, are dynamically assigned, after bus reset is initiated. On the **firewire** bus, every device is identified by an EUI 64 address.

Debugging over the firewire interface is possible with the dcons(4) driver. Please see **https://docs.freebsd.org/en/books/developers-handbook/kerneldebug/#kerneldebug-dcons** for details on how to setup debugging with firewire.

FILES
/dev/fw0.0
/dev/fwmem0.0

SEE ALSO
dcons(4), fwe(4), fwip(4), fwohci(4), pci(4), sbp(4), eui64(5), fwcontrol(8), kldload(8), sysctl(8)

HISTORY
The **firewire** driver first appeared in FreeBSD 5.0.

AUTHORS
The **firewire** driver was written by Katsushi Kobayashi and Hidetoshi Shimokawa for the FreeBSD

project.

BUGS

See fwohci(4) for security notes.