

NAME

iichid - I2C HID transport driver

SYNOPSIS

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

```
device iichid
```

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

```
iichid_load="YES"
```

DESCRIPTION

The **iichid** driver provides a interface to I2C Human Interface Devices (HIDs).

SYSCTL VARIABLES

Next parameters are available as sysctl(8) variables. Debug parameter is available as loader(8) tunable as well.

dev.iichid..sampling_rate_fast*

Active sampling rate in num/second (for sampling mode).

dev.iichid..sampling_rate_slow*

Idle sampling rate in num/second (for sampling mode).

dev.iichid..sampling_hysteresis*

Number of missing samples before enabling of slow mode (for sampling mode).

hw.iichid.debug

Debug output level, where 0 is debugging disabled and larger values increase debug message verbosity. Default is 0.

SEE ALSO

ig4(4)

BUGS

The **iichid** does not support GPIO interrupts yet. In that case **iichid** enables sampling mode with periodic polling of hardware by driver means. See *dev.iichid.*.sampling_** sysctl(8) variables for tuning of sampling parameters.

HISTORY

The **iichid** driver first appeared in FreeBSD 13.0.

AUTHORS

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