

**NAME**

**hidbus** - generic HID bus driver

**SYNOPSIS**

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

```
device hidbus  
device hid
```

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

```
hidbus_load="YES"
```

**DESCRIPTION**

The **hidbus** driver provides support for multiple HID driver attachments to single HID transport backend. See `iichid(4)` or `usbhid(4)`.

Each HID device can have several components, e.g., a keyboard and a mouse. These components use different report identifiers (a byte) combined into groups called collections to distinguish which one data is coming from. The **hidbus** driver has other drivers attached that handle particular kinds of devices and **hidbus** broadcasts data to all of them.

**SYSCTL VARIABLES**

The following variables are available as both `sysctl(8)` variables and `loader(8)` tunables:

*hw.hid.hidbus.debug*

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

**SEE ALSO**

`hconf(4)`, `hcons(4)`, `hgame(4)`, `hidraw(4)`, `hkbd(4)`, `hms(4)`, `hmt(4)`, `hpen(4)`, `hsctrl(4)`, `hskbd(4)`, `iichid(4)`, `usbhid(4)`

**HISTORY**

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

**AUTHORS**

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