

**NAME**

**atkbdc** - the AT keyboard controller interface

**SYNOPSIS**

```
options KBD_RESETDELAY=N
options KBD_MAXWAIT=N
options KBD_DELAY1=N
options KBD_DELAY2=N
options KBDIO_DEBUG=N
device atkbdc
```

In */boot/device.hints*:

```
hint.atkbdc.0.at="isa"
```

```
hint.atkbdc.0.port="0x060"
```

**DESCRIPTION**

The keyboard controller **atkbdc** provides I/O services for the AT keyboard and PS/2 mouse style pointing devices. This controller is required for the keyboard driver **atkbd** and the PS/2 pointing device driver **psm**.

There can be only one **atkbdc** device configured in the system.

**DRIVER CONFIGURATION****Kernel Configuration Options**

The following kernel configuration options can be used to control the **atkbdc** driver. They may be set in the kernel configuration file (see `config(8)`).

*KBD\_RESETDELAY=X, KBD\_MAXWAIT=Y*

The keyboard driver **atkbd** and the pointing device driver **psm** may ask the **atkbdc** driver to reset these devices during the boot process. It sometimes takes a long time before these devices respond to the reset command. These options control how long the **atkbdc** driver should wait before eventually giving up -- the driver will wait  $X * Y$  msec at most. If the drivers seem unable to detect devices, you may want to increase these values. The default values are 200 msec for  $X$  and 5 for  $Y$ .

*KBD\_DELAY1=X, KBD\_DELAY2=Y*

DELAY1 sets the initial key repeat delay to  $X$ . The default value is 500ms. DELAY2 sets the key repeat delay to  $Y$ . The default value is 100ms.

*KBDIO\_DEBUG=N*

Sets the debug level to *N*. The default value is zero, which suppresses all debugging output.

**SEE ALSO**

atkbd(4), psm(4), config(8)

**HISTORY**

The **atkbd** driver first appeared in FreeBSD 3.1. It is based on the kbdio module in FreeBSD 2.2.

**AUTHORS**

The kbdio module, the **atkbd** driver and this manual page were written by Kazutaka Yokota <yokota@FreeBSD.org>.