

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

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