

**NAME**

**max44009** - driver for MAX44009 Ambient Light Sensor

**SYNOPSIS**

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

```
device max44009  
device iicbus
```

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

```
max44009_load="YES"
```

**DESCRIPTION**

The **max44009** driver reports illuminance data from MAX44009 Ambient Light Sensor.

The **max44009** driver reports data via sysctl(8) entry in the device's node in the sysctl(8) tree:

*illuminance* The illuminance, in lux units.

On an FDT(4) based system the following properties must be set:

*compatible* Must be set to "maxim,max44009".

*reg* The I2C address of **max44009** which can be either 0x4a or 0x4b.

**SEE ALSO**

fdt(4), iicbus(4), sysctl(8)

**HISTORY**

The **max44009** driver and this manual page was written by Andriy Gapon <avg@FreeBSD.org>.

**BUGS**

The **max44009** driver does not support illuminance thresholds and the corresponding interrupt.