NAME

acpi_asus - Asus Laptop Extras

SYNOPSIS

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

```
device acpi_asus
```

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

```
acpi_asus_load="YES"
```

DESCRIPTION

The **acpi_asus** driver provides support for the extra ACPI-controlled gadgets, such as hotkeys and leds, found on recent Asus (and Medion) laptops. It allows one to use the sysctl(8) interface to manipulate the brightness of the LCD panel and the display output state. Hotkey events are passed to devd(8) for easy handling in userspace with the default configuration in */etc/devd/asus.conf*.

Currently, the following Asus laptops are fully supported:

xxN
A1x
A2x
A3N
A4D
A6VM
D1x
J1x
L2B
L2D
L2E
L3C
L3D
L3H
L4E
L4R
L5x
L8x
M1A
M2E

M6N
M6R
S1x
S2x
V6V
W5A
Eee PC

Additionally, **acpi_asus** also supports the Asus-compatible *ATK0100* interface found in *Samsung P30/P35* laptops.

SYSCTL VARIABLES

The following sysctls are currently implemented:

hw.acpi.asus.lcd_brightness
Makes the LCD backlight brighter or dimmer (higher values are brighter).

hw.acpi.asus.lcd_backlight
Turns the LCD backlight on or off.

hw.acpi.asus.video_output
Sets the active display to use according to a bitwise OR of the following:

0	No display
1	LCD
2	CRT
4	TV-Out

Some models also support video switching via the generic acpi_video(4) driver. Most models do not, however.

Defaults for these variables can be set in sysctl.conf(5), which is parsed at boot-time.

SEE ALSO

acpi(4), acpi_asus_wmi(4), acpi_video(4), sysctl.conf(5), sysctl(8)

The acpi4asus Project, http://sourceforge.net/projects/acpi4asus/.

HISTORY

The **acpi_asus** driver first appeared in FreeBSD 5.3.

AUTHORS

The **acpi_asus** driver and this manual page were written by Philip Paeps <*philip@FreeBSD.org*>.

Inspiration came from the *acpi4asus project* started by Julien Lerouge which maintains a driver implementing this functionality in the Linux kernel.