

NAME

aw_gpio - driver for the GPIO and pin muxing functionalities on Allwinner SoC

SYNOPSIS

```
device gpio  
options SOC_ALLWINNER_A10  
options SOC_ALLWINNER_A13  
options SOC_ALLWINNER_A20  
options SOC_ALLWINNER_A31  
options SOC_ALLWINNER_A31S  
options SOC_ALLWINNER_A33  
options SOC_ALLWINNER_A83T  
options SOC_ALLWINNER_H2PLUS  
options SOC_ALLWINNER_H3  
options SOC_ALLWINNER_A64  
options SOC_ALLWINNER_H5
```

DESCRIPTION

The **aw_gpio** device driver provides support for the Allwinner pin muxing and GPIO on Allwinner SoCs.

HARDWARE

The current version of the **aw_gpio** driver supports the GPIO/pinmuxing controller with one of the following compatible strings :

- ⊕ allwinner,sun4i-a10-pinctrl
- ⊕ allwinner,sun5i-a13-pinctrl
- ⊕ allwinner,sun7i-a20-pinctrl
- ⊕ allwinner,sun6i-a31-pinctrl
- ⊕ allwinner,sun6i-a31s-pinctrl
- ⊕ allwinner,sun6i-a31-r-pinctrl
- ⊕ allwinner,sun6i-a33-pinctrl
- ⊕ allwinner,sun8i-a83t-pinctrl
- ⊕ allwinner,sun8i-a83t-r-pinctrl
- ⊕ allwinner,sun8i-h3-pinctrl
- ⊕ allwinner,sun50i-h5-pinctrl
- ⊕ allwinner,sun8i-h3-r-pinctrl
- ⊕ allwinner,sun50i-a64-pinctrl
- ⊕ allwinner,sun50i-a64-r-pinctrl

SEE ALSO

fdt(4), gpio(4)

HISTORY

The **aw_gpio** device driver first appeared in FreeBSD 10.0.

AUTHORS

The **aw_gpio** device driver was originally written by Ganbold Tsagaankhuu <ganbold@freebsd.org>.

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