

NAME

mgb - Microchip LAN743x PCIe Gigabit Ethernet driver

SYNOPSIS

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

```
if_mgb_load="YES"
```

DESCRIPTION

The **mgb** driver is experimental, and has a number of caveats and limitations. It is currently available only as a kernel module.

The **mgb** device driver provides support for PCIe Gigabit Ethernet adapters based on Microchip's LAN7430 and LAN7431.

For more information on configuring this device, see ifconfig(8).

HARDWARE

The **mgb** driver supports:

- ⊕ Microchip LAN7430 PCIe Gigabit Ethernet controller with PHY
- ⊕ Microchip LAN7431 PCIe Gigabit Ethernet controller with RGMII interface

SEE ALSO

arp(4), miibus(4), ifconfig(8)

CAVEATS

The driver does not yet implement support for many hardware features, including:

- ⊕ Multiple RX queue support
- ⊕ RX and TX checksum offload
- ⊕ Hardware VLAN tagging or untagging
- ⊕ Multicast receive packet filtering
- ⊕ Wake on LAN (WoL)
- ⊕ LSO
- ⊕ RSS

LAN7431 support is completely untested.