

**NAME**

**felix** - driver for Microchip Ocelot Felix switch

**SYNOPSIS**

To compile this driver into the kernel the following lines must be present in the kernel configuration file:

```
options SOC_NXP_LS
device pci
device fdt
device mdio
device enetc
device etherswitch
device felix
```

**DESCRIPTION**

The **felix** driver provides a management interface to Microchip Ocelot Felix switch (VSC9959) found in NXP LS1028A SoC. It is a PCI device, part of the larger ENETC root complex. The driver is using etherswitch(4) framework.

This driver supports only dot1q vlan. dot1q support port base addtag, striptag, dropuntagged, dropuntagged.

**EXAMPLES**

Configure dot1q vlan by etherswitchcfg command.

```
# etherswitchcfg config vlan_mode dot1q
```

Configure port 5 is tagging port.

```
# etherswitchcfg port5 addtag
```

Disable port 5 is tagging port.

```
# etherswitchcfg port5 -addtag
```

**SEE ALSO**

etherswitch(4), etherswitchcfg(8)

**HISTORY**

The **felix** device driver first appeared in FreeBSD 14.0.

**AUTHORS**

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