NAME

ure - RealTek RTL8152/RTL8153 USB to Ethernet controller driver

SYNOPSIS

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

```
device uhci
device ohci
device usb
device miibus
device uether
device ure
```

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

```
if_ure_load="YES"
```

DESCRIPTION

The **ure** driver provides support for USB Ethernet adapters based on the RealTek RealTek RTL8152 and RTL8153 USB Ethernet controllers.

NICs based on the RTL8152 are capable of 10 and 100Mbps speeds. NICs based on the RTL8153 are capable of 10, 100 and 1000Mbps operation.

The **ure** driver supports the following media types:

autoselect Enable auto selection of the media type and options. The user can manually override the auto selected mode by adding media options to the */etc/rc.conf* file.

10baseT/UTP Set 10Mbps operation. The **mediaopt** option can also be used to select either **full-duplex** or **half-duplex** modes.

100baseTX Set 100Mbps (Fast Ethernet) operation. The **mediaopt** option can also be used to select either **full-duplex** or **half-duplex** modes.

1000baseTX Set 1000baseTX operation over twisted pair. The RealTek gigE chips support 1000Mbps in **full-duplex** mode only.

The **ure** driver supports the following media options:

full-duplex Force full duplex operation.

half-duplex
Force half duplex operation.

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

DIAGNOSTICS

ure%d: watchdog timeout A packet was queued for transmission and a transmit command was issued, however the device failed to acknowledge the transmission before a timeout expired.

SEE ALSO

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

AUTHORS

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