

dmfe.txt

Davicom DM9102(A)/DM9132/DM9801 fast ethernet driver for Linux.

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This driver provides kernel support for Davicom DM9102(A)/DM9132/DM9801 ethernet cards (CNET 10/100 ethernet cards uses Davicom chipset too, so this driver supports CNET cards too). If you didn't compile this driver as a module, it will automatically load itself on boot and print a line similar to :

```
dmfe: Davicom DM9xxx net driver, version 1.36.4 (2002-01-17)
```

If you compiled this driver as a module, you have to load it on boot. You can load it with command :

```
insmod dmfe
```

This way it will autodetect the device mode. This is the suggested way to load the module. Or you can pass a mode= setting to module while loading, like :

```
insmod dmfe mode=0 # Force 10M Half Duplex
insmod dmfe mode=1 # Force 100M Half Duplex
insmod dmfe mode=4 # Force 10M Full Duplex
insmod dmfe mode=5 # Force 100M Full Duplex
```

Next you should configure your network interface with a command similar to :

```
ifconfig eth0 172.22.3.18
                ~~~~~
                Your IP Address
```

Then you may have to modify the default routing table with command :

```
route add default eth0
```

Now your ethernet card should be up and running.

TODO:

Implement pci_driver::suspend() and pci_driver::resume() power management methods.

Check on 64 bit boxes.

dmfe.txt

Check and fix on big endian boxes.

Test and make sure PCI latency is now correct for all cases.

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