The EtherWORKS 3 driver in this distribution is designed to work with all kernels > 1.1.33 (approx) and includes tools   in the 'ewrk3tools' subdirectory   to allow set   up of   the   card, similar to the MSDOS 'NICSETUP.EXE' tools provided on the DOS drivers disk (type 'make' in that subdirectory to make the tools).

The supported cards are DE203,   DE204 and DE205.   All   other cards are NOT supported - refer to 'depca.c' for running the LANCE based network cards and 'de4x5.c' for the DIGITAL   Semiconductor PCI chip based adapters from Digital.

The ability to load this driver as a loadable module has been included and used extensively during the driver development (to save those long reboot sequences). To utilise this ability, you have to do 8 things:

    0) have a copy of the loadable modules code installed on your system.
    1) copy ewrk3.c from the /linux/drivers/net directory to your favourite temporary directory.
    2) edit the source code near line 1898 to reflect the I/O address and IRQ you're using.
    3) compile ewrk3.c, but include -DMODULE in the command line to ensure that the correct bits are compiled (see end of source code).
    4) if you are wanting to add a new card, goto 5. Otherwise, recompile a kernel with the ewrk3 configuration turned off and reboot.
    5) insmod ewrk3.o
        [Alan Cox: Changed this so you can insmod ewrk3.o irq=x io=y]
        [Adam Kropelin: Multiple cards now supported by irq=x1,x2 io=y1,y2]
    6) run the net startup bits for your new eth?? interface manually (usually /etc/rc.inet[12] at boot time).
    7) enjoy!

    Note that autoprobing is not allowed in loadable modules - the system is already up and running and you're messing with interrupts.

    To unload a module, turn off the associated interface 'ifconfig eth?? down' then 'rmmod ewrk3'.

The performance we've achieved so far has been measured through the 'ttcp' tool   at 975kB/s. This measures   the   total   TCP   stack performance which includes the   card, so don't expect   to get   much nearer the 1.25MB/s theoretical Ethernet rate.

Enjoy!

Dave