NAME

rx? — floppy disk

DESCRIPTION

The floppy disk is an easily dismountable block storage device that will hold 500 blocks of data or 1000 blocks, if dual density. In single density mode, there is an extra 256 byte half block. This is because there are 2002 sectors of data on every floppy disk and 128 bytes of data in each sector of a single density floppy. The current devices are:

BLOCK	CHARACTER	DEVICE
/dev/rx0	/dev/rrx0	rx01
/dev/rx1	/dev/rrx1	rx01
/dev/rx2	/dev/rrx2	rx02
/dev/rx3	/dev/rrx3	rx02

The block interface is useful for installing file systems. The character interface must be used to read or set the density of the current diskette. The variable density feature is only available on the **rx02**.

The command *flopden*(1) is useful for manipulating the density of a diskette. To either read the current density or change the density from an application program, the character device interface is opened, and an *ioctl*(2) system call is made. (See **/usr/include/sys/rx.h** for the correct define symbols.)

The driver has only one queue, and thus simultaneous reads on multiple controllers are not possible. However it is not limited to the number of controllers; the only action necessary to add another controller is a simple addition of another device address in the list of device addresses within the source of the driver. The driver dynamically determines whether the controller is an **rx01** or **rx02**.

FILES

/dev/rx?
/dev/rrx?
/usr/include/sys/rx.h

SEE ALSO

flopden(1), ioctl(2)