NAME

MAKEDEV - create devices

SYNOPSIS

```
cd /dev; ./MAKEDEV [ -n ] [ -v ] [ update ] cd /dev; ./MAKEDEV [ -n ] [ -v ] [ generic ] [ local ] [ group-keyword ... device ... ] cd /dev; ./MAKEDEV [ -n ] [ -v ] [ -d ] devic e ...
```

DESCRIPTION

MAKEDEV is a script that will create the devices in /dev used to interface with drivers in the kernel.

Note that programs giving the error "ENOENT: No such file or directory" normally means that the device file is missing, whereas "ENODEV: No such device" normally means the kernel does not have the driver configured or loaded.

OPTIONS

- -n Do not actually update the devices, just print the actions that would be performed.
- -d Delete the devices. The main use for this flag is by MAKEDEV itself.
- -v Be verbose. Print out the actions as they are performed. This is the same output as produced by -n.

CUSTOMISATION

Since there is currently no standardisation in what names are used for system users and groups, it is possible that you may need to modify **MAKEDEV** to reflect your site's settings. Near the top of the file is a mapping from device type to user, group and permissions (e.g. all CD-ROM devices are set from the \$cdrom variable). If you wish to change the defaults, this is the section to edit.

GENERAL OPTIONS

update

This only works on kernels which have /proc/interrupts (introduced during 1.1.x). This file is scanned to see what devices are currently configured into the kernel, and this is compared with the previous settings stored in the file called DEVICES. Devices which are new since then or have a different major number are created, and those which are no longer configured are deleted.

generic

Create a generic subset of devices. This subset consists of the standard devices, plus floppy drives, various hard drives, CD-ROM drives, pseudo-terminals, console devices, basic serial devices, busmice, audio devices, video framebuffers, printer ports, and some specialized devices. The generic subset varies somewhat according to architecture; see the /dev/MAKEDEV script itself for details.

local This simply runs MAKEDEV.local. This is a script that can create any local devices.

DEVICE GROUPS

MAKEDEV creates groups of devices when passed keywords for the group. Each listing below shows the MAKEDEV keyword and then lists the devices which will be created. Many devices can also be specified individually.

STANDARD DEVICES

Creates this group of standard devices: **mem** for access to physical memory, **kmem** for access to kernel virtual memory, **null** the null device (infinite sink), **port** for access to I/O ports, **zero** the null byte source (infinite source), **core**, a symlink to /proc/kcore (for kernel debugging), **full** which always returns ENOSPACE on write, **random** and **urandom** random byte generators, and **tty** to access the controlling tty of a process. The loopback disk devices **loop0** through **loop7** are also created in the **std** group. These allow you to use a regular file as a block device. A filesystem image can be mounted, and used as though it were a filesystem on a partition or other block device. **loop** may also be used as a separate keyword to create the 8 loop devices. Finally, the **ram** group of

memory devices is also created by the **std** keyword (see below).

MEMORY DEVICES

ram This is the keyword used to generate the ramdisk devices $ram\{0..16\}$ and the ram symlink. This group does not include **initrd**.

initrd Ramdisk which has been pre-initialized by a bootloader. initrd is not created in the ram group; it must be specifically included in the command line if you want it to be created.

cpu or microcode

Creates the CPU microcode update interface in the **cpu**/ folder, with devices **microcode**, and subfolders {0..3} each containing devices **msr** and **cpuid**.

rom Creates the $rom\{0...7\}$ $rrom\{0...7\}$ $flaxh\{0...7\}$ and $rflash\{0...7\}$ flash memory card devices. **rrom** and **rflash** devices are read-only.

CONSOLE DEVICES

console

This keyword creates virtual consoles; $\mathbf{tty}\{0..63\}$ devices, the corresponding \mathbf{vcs} and \mathbf{vcsa} devices which are used to generate screen-dumps, and the $\mathbf{console}$ device itself plus appropriate symlinks. To create the console device alone, use $\mathbf{consoleonly}$. The device $\mathbf{tty0}$ is the currently active virtual console. The $\mathbf{console}$ device serves the same function.

PSEUDO TERMINALS

pty This keyword creates the Pseudo-TTY masters $pty\{a...e,p...z\}$ and corresponding $tty\{a...e,p...z\}$ devices, along with ptmx. Each possible argument will create a bank of 16 master and slave pairs. The master pseudo-terminals are $pty\{p..s\}\{0..9a..f\}$, and the slaves are $tty\{p..s\}\{0..9a..f\}$.

SERIAL DEVICES

 $ttyS\{0...63\}$

Standard serial ports. There is no group keyword, you must specify these individually. However **ttyS{0..3**} are created under the **generic** option for most architectures.

cyclades or ttyC

Creates Cyclades ports $\mathbf{ttyC}\{0..31\}$.

\mathbf{digi} or $\mathbf{tty}\mathbf{D}$

Creates Digiboard serial card ports $ttyD\{0..15\}$.

stallion or ttyE

Creates Stallion devices $\mathbf{ttyE}\{0...255\}$ and $\mathbf{staliomem}\{0...3\}$.

computone or ttyF

Creates CompuTone serial card ports $\mathbf{ttyH}\{0...255\}$ and special devices $\mathbf{ip2ipl}\{0,4,8,12\}$ and $\mathbf{ip2stat}\{1,5,9,13\}$.

chase or ttyH

Creates Chase serial card ports $\mathbf{ttyH}\{0..15\}$.

$is dn modem \ {\rm or} \ tty I$

Creates isdn4linux virtual modem ports $\mathbf{ttyI}\{0..63\}$.

isdn-tty

Also creates isdn4linux virtual modem ports $\mathbf{ttyI}\{0...7\}$.

isdnbri

Creates ISDN BRI driver devices $isdn\{0..63\}$ $isdnctrl\{0..63\}$ $ippp\{0..63\}$ and isdninfo.

isdn-io

Also creates ISDN BRI driver devices $isdn\{0...7\}$ $isdnctrl\{0...7\}$ $ippp\{0...7\}$ and isdninfo. The isdn-ippp k eyword can be used separately to create only the $ippp\{0...7\}$

devices.

ppp Creates a device independent PPP interface.

dcbri Creates Spellcaster DataComm/BRI ISDN card devices dcbri{0..3}.

riscom or ttyL

Creates Riscom serial card ports $\mathbf{ttyL}\{0...15\}$.

PAM or ttyM

Creates PAM multimodem (or ISI serial card) ports **ttyM**{0..15}.

ESP or ttyP

Creates ESP ports $\mathbf{ttyP}\{0...4\}$.

rocketport or ttyR

Creates Rocketport devices $\mathbf{ttyR}\{\theta...63\}$.

ttyV Creates Comtrol VS-1000 serial controller ports $ttyV\{0..15\}$.

specialixIO8 or ttyW

Creates Specialix IO8+ ports $\mathbf{ttyW}\{0...15\}$.

specialix or ttvX

Creates Specialix ports $\mathbf{ttyX}\{0...15\}$.

i2c Creates **i2c**{ θ ..?} devices for the I2C bus interface.

tlk Philips SAA5249 Teletext signal decoder $\{2.6\}$ ports tlk $\{0...3\}$.

PARALLEL PORTS

lp Creates the standard parallel ports lp0, lp1, and lp2 normally used for printers. These correspond to ports at 0x3bc, 0x378 and 0x278. Hence, on some machines, the first printer port may actually be lp1.

par Alternative to lp. The same ports are created, but are named**par** $\{0..2\}$ instead of $lp\{0..2\}$.

parport

Creates raw parallel ports parport0, parport1, and parport2.

slm Creates the Atari SLM ACSI laser printer (68k/Atari) ports slm{0..3}.

pg Parallel port generic ATAPI interface (devices $pg\{0...3\}$).

paride

Parallel port IDE disk devices $\mathbf{pd}\{a..d\}$ with 15 partitions on each. Also creates $\mathbf{pcd}\{0..3\}$ and $\mathbf{pf}\{0..3\}$.

OTHER BUS PORTS

$\mathbf{netlink}$ or \mathbf{tap}

Creates NetLink devices **route skip fwmonitor** and $\mathbf{tap}\{0..15\}$ Ethertap devices. The $\mathbf{tap}x$ virtual ethernet device was designed as low level kernel support for Ethernet tunneling. Userland application can write Ethernet frame to $/\mathbf{dev}/\mathbf{tapX}$ and the kernel will receive this frame from \mathbf{tapX} interface. Every frame the kernel writes to a \mathbf{tapX} interface can be read by a userland application from the corresponding $/\mathbf{dev}/\mathbf{tapX}$ device.

enskip

ENskip kernel encryption package.

qng ComScire Quantum Noise Generator.

ipsec The Free S/WAN implementation of IPSEC.

adb On powerpc, creates adb for the Apple Data Bus and adbmouse. On m68k,adb creates the ACSI disk device adb and partitions adb1 through adb15.

hamradio

Creates the $\mathbf{scc}\{0...7\}$ and $\mathbf{bc}\{0...3\}$ device groups.

comx Creates COMX devices **comx**{ θ ...4}.

irda Creates IrCOMM devices (IrDA serial/parallel emulation) ircomm0 ircomm1 irlpt0 and irlpt1.

comedi

Control and Measurement devices **comedi** $\{0...3\}$.

MOUSE DEVICES

busmice

This keyword creates the following devices: **logibm** (Logitech bus mouse), **psaux** (PS/2-style mouse), **inportbm** (Microsoft Inport bus mouse) and **atibm** (ATI XL bus mouse) and **jbm** (J-mouse).

m68k-mice

Creates mouse devices for the m68k architecture, including: amigamouse, amigamouse1, atarimouse and adbmouse.

input On powerpc, this keyword creates the *input* folder which groups input devices **mice**, $\mathbf{mouse}\{0..3\}$, $\mathbf{event}\{0..3\}$, and $\mathbf{js}\{0...3\}$ (joystick), and creates these devices inside.

JOYSTICK DEVICES

js Joystick. Creates **js0** and **js1**.

djs Digital joystick. Creates **djs0** and **djs1**.

USB DEVICES

USB is a general purpose I/O bus which can serve many purposes. The **usb** keyword creates a **usb** folder, and devices in the folder: $lp\{0..15\}$ (printer), $mouse\{0..15\}$ (USB connected mice), $ez\{0..15\}$ (firmware loaders) $scanner\{0..15\}$ (scanner interfaces), $tty-ACM\{0..15\}$ and $ttyUSB\{0..15\}$ (dialout devices), and rio500 the Diamond Rio 500 device.

DISK DEVICES

fd{*0..7*}

Floppy disk devices. The device $\mathbf{fd}x$ is the device which autodetects the format, and the additional devices are fixed format (whose size is indicated in the name). The other devices are named as $\mathbf{fd}x\{dqhu\}n$. The single letter (d, q, hor u) signifies the type of drive: 5.25 Double Density (d), 5.25 Quad Density (q), 5.25 High Density (h) or 3.5 (any model, u). The number n represents the capacity of that format in K. Thus the standard formats are $\mathbf{fd}x\mathbf{d360}$, $\mathbf{fd}x\mathbf{h1200}$, $\mathbf{fd}x\mathbf{720}$, $\mathbf{fd}x\mathbf{1440}$, and $\mathbf{fd}x\mathbf{2880}$.

For more information see Alain Knaff's fdutils package.

Devices $\mathbf{fd0}^*$ through $\mathbf{fd3}^*$ are floppy disks on the first controller, and devices $\mathbf{fd4}^*$ through $\mathbf{fd7}^*$ are floppy disks on the second controller.

$\mathbf{fd} \{ \theta... ?\} \textbf{-bare}$

Creates just the autodetecting floppy device specified, without the fixed format devices.

$\mathbf{hd}\{a..l\}$

AT (ide) hard disks. The device $\mathbf{hd}x$ provides access to the whole disk, with the partitions being $\mathbf{hd}x\{1..63\}$. For i386, the four primary partitions are $\mathbf{hd}x\mathbf{1}$ through $\mathbf{hd}x\mathbf{4}$, with the logical partitions being numbered from $\mathbf{hd}x\mathbf{5}$ though $\mathbf{hd}x\mathbf{20}$. (A primary partition can be made into an extended partition, which can hold 4 logical partitions). Other architectures may not differentiate partition types. By default, devices for 20 logical partitions are made. The kernel supports up to 63 partitions per device.

Drives **hda** and **hdb** are the two on the primary controller **hdc** and **hdd** are the two drives on the secondary controller. These devices can also be used to access IDE

CDROMs. Additional devices $hd\{e...l\}$ can be created.

$xd{a..d}$

XT hard disks. Partitions are the same as IDE disks, except only 8 partitions are created.

$sd{a..h}$

SCSI hard disks. The partitions are similar to the IDE disks, but there is a limit of 11 logical partitions $\mathbf{sd}x\mathbf{5}$ through $\mathbf{sd}x\mathbf{15}$, to allow there to be 8 SCSI disks on a system (addresses 0 through 7).

$sd{i...z}$

and $sd\{a...d\}\{a...z\}$ The kernel (and MAKEDEV) can handle up to 128 SCSI disks (up to sddx). 15 partition devices are created for each.

eda edb

MCA ESDI hard disk. Partitions are handled the same as hd.

$\mathbf{dasd}\{a..z\}$

Direct Access Storage Devices for the s390 architecture. Currently only one device partition is created (for example, dasda1).

$ada{a..p}$

ACSI disk (68k/Atari). 15 partitions are created for each.

dac960.{ θ ..?}

Mylex DAC960 PCI RAID controller. For this device, an **rd** directory is created. 32 logical devices $\mathbf{c}x\mathbf{d}\{0..31\}$ are created for each unit x specified, each with 7 partitions $\mathbf{c}x\mathbf{d}\{0..31\}\mathbf{p}\{1..7\}$. Thedac960 k eyword will create all 7 units at once.

dpti Adaptec I2O RAID and DPT SmartRAID V I2O controllers. Creates 7 devices for handling up to 7 controllers.

ataraid. $\{0...7\}$

Obsolete, device not in current devices.txt. For this device, an **ataraid** directory is created. dx is created for each unit x specified, and 15 partitions $dxp\{1...15\}$. The **ataraid** keyword will create all 7 units at once.

$i2o.hd\{a..d\}\{a..z\}$

I2O based harddisk drives. Device nodes are located in the **i2o** directory. The filename is followed by a number that specifies the partition on each disk. The numbers are handled the same as hd.

ida.{*0..7*}

Compaq Intelligent Drive Array. For this device, an **ida** directory is created. 16 logical devices $\mathbf{c}x\mathbf{d}\{0..15\}$ are created for each unit x specified, each with 15 partitions $\mathbf{c}x\mathbf{d}\{0..15\}\mathbf{p}\{1..15\}$. The **ida** k eyword will create the first three units.

cciss. $\{\theta...7\}$

Compaq Next Generation Drive Array. For this device, a **cciss** directory is created. 16 logical devices $\mathbf{c}x\mathbf{d}\{0..15\}$ are created for each unit x specified, each with 15 partitions $\mathbf{c}x\mathbf{d}\{0..15\}\mathbf{p}\{1..15\}$. The **cciss** k eyword will create the first three units.

md Creates Metadisk (RAID) disk array with 16 devices.

TAPE DEVICES

st{ 0..7}

SCSI tape devices. This creates the rewinding tape device $\mathbf{st}x$ and the non-rewinding tape device $\mathbf{nst}x$, for each of modes 0 through 3.

qic QIC-11, -24, -120, and -150 tapes. The devices created are **ntpqic11 tpqic11 ntpqic24 tpqic24 ntpqic120 tpqic120 ntpqic150** and **tpqic150** tape devices, along with **rmt8**, **rmt16**, **tape-d**, and **tape-reset**.

flape Floppy driver tapes (QIC-117). There are 4 methods of access depending on the floppy tape drive. For each of access methods 0, 1, 2 and 3, the devices **qft** x **zqft** x and **rawqft** x (rewinding) and **nqft** x **nzqft** x **nrawqdt** x (non-rewinding) are created. For compatibility, devices **ftape** and **nftape** are symlinks to **qft0** and **nqft0** respectively.

ht0 Creates IDE tape devices ht0 and nht0.

 $\mathbf{pt}\{0...3\}$

Creates parallel port ATAPI tape devices $pt\{0...3\}$ and $npt\{0...3\}$.

CDROM DEVICES

 ${f sr}$ or ${f scd}$ or ${f scd}$ -all

Creates $scd\{0..16\}$ SCSI CD players and $sr\{0..16\}$ symlinks for these devices. **cdrom** is a symlink which can be created by the user to the active CD device. It is not created by **MAKEDEV**.

pktcdvd

Provides packet writing devices $\mathbf{pktcdvd}\{\theta...3\}$ for CD/DVD.

 $pcd\{0...3\}$

Parallel port ATAPI CD-ROM devices

sonycd Sony CDU-31a CD-ROM

mcd Mitsumi CD-ROM

mcdx Obsolete, device not in current devices.txt.

cdu535 Sony CDU-535 CD-ROM

lmscd Philips LMS CM-205 CD-ROM. The newer name for this device is cm205, but MAKEDEV creates only lmscd at this time.

cm206cd

Philips LMS CM-206 CD-ROM

bpcd MicroSolutions BackPack parallel port CD-ROM (Obsolete - use pcd)

 $sbpcd\{0..15\}$

Matsushita (Panasonic/SoundBlaster) CD-ROM. Units {0..3} are created with the keyword **sbpcd**.

aztcd Aztech/Orchid/Okano/Wearnes CD-ROM

gscd GoldStar CD-ROM

optcd Optics Storage CD-ROM

sicd Sanyo CD-ROM

hitcd Hitachi CD-ROM

SCANNERS

logiscan

Logitech ScanMan 32 & ScanMan 256.

m105scan

Mustek M105 Handscanner.

ac4096 A4Tek Color Handscanner.

AUDIO DEVICES

audio This creates the audio devices used by the sound driver. These include **mixer mixer**{1..3} (Mixer controls), **sequencer** (Audio sequencer), **dsp dsp**{1..3} (Digital audio), **sndstat** (Sound card status information), **audioctl** (SPARC audio control device) and **audio audio{1..3**} (Sun-compatible digital audio). MIDI devices are **midi00** through **midi03**, **midi**{0..3}, **rmidi**{0..3}, **smpte**{0..3}. In addition, devices **mpu401data** and **mpu401stat** are created.

pcaudio

Devices for the PC Speaker sound driver. These are pcmixer, pxsp, and pcaudio.

VIDEO DEVICES

fb Creates framebuffer devices $\mathbf{fb}\{0...7\}$, $\mathbf{fb}\{0...7\}$ **current**, $\mathbf{fb}\{0...7\}$ **autodetect**.

 $fb\{0...7\}$

If the framebuffer number x is specifed, a group of $\mathbf{fb}x\mathbf{user}\{0...7\}$ devices is created.

3dfx is the 3Dfx Voodoo Graphics device.

agpgart

AGP Graphics Address Remapping Table

video video4linux v4l radio

Each of these keywords produces the same result: Video capture/overlay devices $video\{0..63\}$, Radio devices $radio\{0..63\}$, Teletext devices $vtx\{0..31\}$, and Vertical blank interrupt devices $vbi\{0..31\}$. In addition, thewinradio0 and winradio1 devices, and vtx and vttuner devices, and symlinks radio video and vbi are created.

srnd miroMEDIA Surround board devices srnd0 and srnd1.

fgrab Matrox Meteor frame grabber {2.6}. Creates mmetfgrab, wvisfgrab, iscc0, iscc1, iscc-ctl0, isccctl1, dcxx0, and dcxx1.

MISCELLANEOUS DEVICES

sq or sq-all

Generic SCSI devices. The devices created are **sg0** through **sg16**. These allow arbitary commands to be sent to any SCSI device, to query information or control SCSI devices that are not disk, tape or CDROM (for example, scanner or writeable CDROM).

fd To allow an arbitary program to be fed input from file descriptor x, use /dev/fd/x as the file name. This also creates /dev/stdin, /dev/stdout, and /dev/stderr. (Note, these are just symlinks into /proc/self/fd).

ibcs2 Devices socksys spx (and symlinks nfsd XOR) needed by the IBCS2 emulation.

apm_bios Advanced Power Management BIOS device.

dcf Driver for DCF-77 radio clock.

helloworld

Kernel modules demonstration device. See the modules source.

xfs or arla

Arla XFS network file system.

capi CAPI 2.0 interface ports capi20{01..20}.

ubd User-mode block devices **ubd**{0..255}.

nb{ *0..7*}

Network block devices.

raw Creates the raw block device interface raw device, the rawctl symlink, and raw{1..8}.

raw1394

IEEE 1394 (Firewire).

misc This keyword creates all the following devices. You may find the device explanations in other categories in this man page, many under OTHER DEVICES below. logibm, psaux, inportbm, atibm, jbm, amigamouse, atarimouse, sunmouse, amigamouse1, smouse, pc110pad, adbmouse, beep, modreq, watchdog, temperature, hwtrap, exttrp, apm_bios, rtc, openprom, relay8, relay16, msr, pciconf, nvram, hfmodem, led, mergemem, pmu.

Network Devices

Linux used to have devices in /dev for controlling network devices, but that is no longer the case. To see what network devices are known by the kernel, look at /proc/net/dev.

OTHER DEVICES

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Many of these devices are architecture-specific.
```

scc Z8530 HDLC driver (HAM radio)

bc Baycom radio modem (HAM radio)

 $cfs\theta$ or cfs or coda

Coda network file system

sunmouse

Sun mouse

smouse

Simple serial mouse driver

pc110pad

IBM PC-110 digitizer pad

vrtpanel

Vr41xx embedded touch panel

vpcmouse

Connectix Virtual PC Mouse

beep Fancy beep device

modreq Kernel module load request $\{2.6\}$

watchdog

Watchdog timer port

temperature

Machine internal temperature

hwtrap Hardware fault trap

exttrp External device trap

rtc Real Time Clock

efirtc Real Time Clock

open prom

SPARC OpenBoot PROM

relay8 Berkshire Products Octal relay card

relay 16

Berkshire Products ISO-16 relay card

msr x86 model-specific registers $\{2.6\}$

pciconf PCI configuration space

nvram Non-volatile configuration RAM

hfmodem

Soundcard shortwave modem control {2.6}

graphics

Linux/SGI graphics device

opengl Linux/SGI OpenGL pipe

gfx Linux/SGI graphics effects device

lcd Front panel LCD display

led Front panel LEDs

mergemem

Memory merge device

pmu Macintosh PowerBook power manager

isictl MultiTech ISICom serial control

ac Applicom Intl Profibus card

nwbutton

Netwinder external button

nwdebug

Netwinder debug interface

nw flash

Netwinder flash memory

userdma

User-space DMA access

smbus System Management Bus

lik Logitech Internet Keyboard

ipmo Intel Intelligent Platform Management

vmmon

VMWare virtual machine monitor

tcldrv Technology Concepts serial control

 $specialix \ sxctl$

Specialix serial control

 $specialix\ rioctl$

Specialix RIO serial control

smapi or thinkpad

IBM Thinkpad **smapi** device, and a symlink **thinkpad**.

srripc QNX4 API IPC manager

usemaclone

Semaphore clone device

ipmi or ipmikcs

Intelligent Platform Management

uctrl SPARCbook 3 microcontroller

gtrsc Gorgy Timing radio clock

cbm Serial CBM bus

jsflash JavaStation OS flash SIMM

xsvc High-speed shared-mem/semaphore service

vrbuttons

Vr41xx button input device

toshiba Toshiba laptop SMM support

perfetr Performance-monitoring counters

intel rng

Intel i8x0 random number generator

atomicps

Atomic shapshot of process state data

irnet IrNET device

smbusbios

SMBus BIOS

ussp ctl

User space serial port control

crash Mission Critical Linux crash dump facility

nas xbus

NAS xbus LCD/buttons access

d7s SPARC 7-segment display

zkshim Zero-Knowledge network shim control

sexec Signed executable interface

kchuid Inter-process chuid control

mptctl Message passing technology (MPT) control

button/gulpb

Transmeta GULP-B buttons

compaq/cpqphpc

Compaq PCI Hot Plug Controller

compaq/cpqrid

Compaq Remote InsightDriver

elographics/e2201

Elographics touchscreen E271-2201

fujitsu/apanel

Fujitsu/Siemens application panel

i2o/ctl I2O configuration manager

impi/bt

IMPI coprocessor block transfer

impi/smic

IMPI coprocessor stream interface

input/mouse

Linux/SGI Irix emulation mouse

input/keyboard

Linux/SGI Irix emulation keyboard

modems/mwave

MWave modem firmware upload

mvista/hssdsi

Montavista PICMG hot swap system driver

mvista/hasi

Montavista PICMG high availability

net/tun

TAP/TUN network device

ni/natmotn

National Instruments Motion

scanners/cuecat

:CueCat barcode scanner

touchscreen/ucb1x00

UCB 1x00 touchscreen

touchscreen/mk712

MK712 touchscreen

video/em8300

EM8300 DVD decoder control

 $video/em8300 \ mv$

 $\rm EM8300~DVD$ decoder video

video/em8300~ma

EM8300 DVD decoder audio

video/em8300 sp

EM8300~DVD~decoder~subpicture

 $watchdogs/\{0..3\}$

Watchdog devices 0 through 3

SEE ALSO

Linux Allocated Devices, maintained by H. Peter Anvin, <Peter.Anvin@linux.org>, and devices.txt in the Linux kernel source.

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