Unzip is completed

FREQ

DONE

DEVI

NAND dete

data\_buff\_addr:0xa01fafe0, dma\_addr:0xa01fdfe0

NAND device: Manufacturer ID: 0x9b, Chip ID: 0xf1 (Unknown NAND 128MiB 3,3V 8-bi t)

Scanning device for bad blocks

Creat MTD partitions on "ls1x-nand": name="kernel" size=14680064Byte

Creat MTD partitions on "ls1x-nand": name="rootfs" size=104857600Byte

Creat MTD partitions on "ls1x-nand": name="data" size=14680064Byte

ENVI

MAPV

in envinit

NVRAM@801fac20

STDV

80100000: memory between 801fa400-80200000 is already been allocated,heap is a lready above this point

SBDD

DINI

NETI

RTCL

in fb\_init

cfb\_console init, fb=0xa3108000, xres=800, yres=480

in configure

mainbus0 (root)

localbus0 at mainbus0

syn0 at localbus0

phy id = 181 b8a0

phy base = 17

in if attach

loopdev0 at mainbus0

out configure

devconfig done.

network configure 'syn0:192.168.31.123'

bootp=8000bc2c

Version = 0x1137

MacAddr = 0x0 0x55 0x7b 0xb5 0x7d 0xf7

=====>enter synopGMAC\_mac\_init:1006

=====>full duplex

=====>100M

=====>enter synopGMAC\_mac\_init:1006

=====>full duplex

=====>100M

HSTI

SYMI

SBDE

Configuration [FCR,EL,NET]

MakeTime: 2021-09-03 10:49:51.

Supported loaders [srec, elf, bin]

Supported filesystems [mtd, net, fat, fs, disk, socket, tty, ram]

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CPU (null) @ 200.00 MHz / Bus @ 100.00 MHz

Memory size 64 MB ( 64 MB Low memory, 0 MB High memory) .

Primary Instruction cache size 8kb (32 line, 2 way)

Primary Data cache size 8kb (32 line, 2 way)

BEV1

BEV0

BEV in SR set to zero.

update\_usb, no !

AUTO

Press <Enter> to execute loading image:/dev/mtd0

Press any other key to abort. 00

Loading file: /dev/mtd0 (elf)

Attempt to read non page aligned data

0x80200000/8786892 + 0x80a613cc/472756(z) Attempt to read non page aligned data + 16384 syms Attempt to read non page aligned data

Attempt to read non page aligned data \

Entry address is 80863720

g root=/dev/mtdblock1 console=btys5,115200 noinitrd init=/linuxrc rw rootfstype= yaffs2 video=ls1bfb:800x400-16@60

zero at v0 v1 a0 a1 a2 a3

00000000 00000000 00000000 00000000 00000008 a30ffc38 a30ffc5c 8008e170

t0 t1 t2 t3 t4 t5 t6 t7

00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

s0 s1 s2 s3 s4 s5 s6 s7

00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

t8 t9 k0 k1 gp sp s8 ra

00000000 00000000 00000000 00000000 00000000 a30ffc18 00000000 8005aa00

Booting Linux kernel...

system\_state: 0 addr:809bc624

Linux version 3.0.0 (root@litianling-virtual-machine) (gcc version 4.3.6 2010100 4 (prerelease) (GCC) ) #17 Tue Sep 28 17:28:46 CST 2021

busclock=100000000, cpuclock=200000000,memsize=64,highmemsize=0

bootconsole [early0] enabled

CPU revision is: 00004220 (ICT Loongson-1b)

LS232 CPU board

memsize=64,highmemsize=0

Determined physical RAM map:

memory: 04000000 @ 00000000 (usable)

Zone PFN ranges:

Normal 0x00000000 -> 0x00004000

Movable zone start PFN for each node

early\_node\_map[1] active PFN ranges

0: 0x00000000 -> 0x00004000

Built 1 zonelists in Zone order, mobility grouping on. Total pages: 16256

Kernel command line: root=/dev/mtdblock1 console=btys5,115200 noinitrd init=/lin uxrc rw rootfstype=yaffs2 video=ls1bfb:800x400-16@60

PID hash table entries: 256 (order: -2, 1024 bytes)

Dentry cache hash table entries: 8192 (order: 3, 32768 bytes)

Inode-cache hash table entries: 4096 (order: 2, 16384 bytes)

available.

Primary instruction cache 8kB, VIPT, 2-way, linesize 32 bytes.

Primary data cache 8kB, 2-way, VIPT, no aliases, linesize 32 bytes

Memory: 53836k/65536k available (6583k kernel code, 11700k reserved, 1673k data, 324k init, 0k highmem)

SLUB: Genslabs=9, HWalign=32, Order=0-3, MinObjects=0, CPUs=1, Nodes=1

NR\_IRQS:256

Console: colour dummy device 80x25

Calibrating delay loop... 199.06 BogoMIPS (lpj=995328)

pid\_max: default: 32768 minimum: 301

Security Framework initialized

Mount-cache hash table entries: 512

ftrace: allocating 17304 entries in 34 pages

devtmpfs: initialized

NET: Registered protocol family 16

bio: create slab <bio-0> at 0

SCSI subsystem initialized

usbcore: registered new interface driver usbfs

usbcore: registered new interface driver hub

usbcore: registered new device driver usb

cfg80211: Calling CRDA to update world regulatory domain

Switching to clocksource MIPS

Switched to NOHz mode on CPU #0

NET: Registered protocol family 2

IP route cache hash table entries: 1024 (order: 0, 4096 bytes)

TCP established hash table entries: 2048 (order: 2, 16384 bytes)

TCP bind hash table entries: 2048 (order: 1, 8192 bytes)

TCP: Hash tables configured (established 2048 bind 2048)

TCP reno registered

UDP hash table entries: 256 (order: 0, 4096 bytes)

UDP-Lite hash table entries: 256 (order: 0, 4096 bytes)

NET: Registered protocol family 1

RPC: Registered named UNIX socket transport module.

RPC: Registered udp transport module.

RPC: Registered tcp transport module.

RPC: Registered tcp NFSv4.1 backchannel transport module.

audit: initializing netlink socket (disabled)

type=2000 audit(1.120:1): initialized

VFS: Disk quotas dquot\_6.5.2

Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)

nfs4filelayout\_init: NFSv4 File Layout Driver Registering...

Installing knfsd (copyright (C) 1996 okir@monad.swb.de).

NTFS driver 2.1.30 [Flags: R/W].

JFFS2 version 2.2. (NAND) © 2001-2006 Red Hat, Inc.

msgmni has been set to 105

alg: No test for stdrng (krng)

Block layer SCSI generic (bsg) driver version 0.4 loaded (major 253)

io scheduler noop registered

io scheduler deadline registered

io scheduler cfq registered (default)

Serial: 8250/16550 driver, 6 ports, IRQ sharing disabled

serial8250.0: ttyS0 at MMIO 0xbfe40000 (irq = 2) is a 16550A

serial8250.0: ttyS1 at MMIO 0xbfe44000 (irq = 3) is a 16550A

serial8250.0: ttyS2 at MMIO 0xbfe48000 (irq = 4) is a 16550A

serial8250.0: ttyS3 at MMIO 0xbfe4c000 (irq = 5) is a 16550A

serial8250.0: ttyS4 at MMIO 0xbfe6c000 (irq = 29) is a 16550A

serial8250.0: ttyS5 at MMIO 0xbfe7c000 (irq = 30) is a 16550A

brd: module loaded

loop: module loaded

NAND device: Manufacturer ID: 0x00, Chip ID: 0xf1 (Unknown NAND 128MiB 3,3V 8-bi t)

NAND\_ECC\_NONE selected by board driver. This is not recommended !!

Scanning device for bad blocks

Creating 3 MTD partitions on "mtd0":

0x000000000000-0x000000e00000 : "kernel"

0x000000e00000-0x000007500000 : "os"

0x000007500000-0x000008000000 : "data"

loongson 1B spi probe begin

SPI IRQ mode

SPI master IRQ num = 8

loongson 1B spi probe done

rtw driver version=v3.3.2\_3192.20120103

usbcore: registered new interface driver rtl8192cu

usbcore: registered new interface driver zd1211rw

usbcore: registered new interface driver rt2500usb

usbcore: registered new interface driver rt73usb

usbcore: registered new interface driver rt2800usb

ehci\_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver

Initializing USB Mass Storage driver...

usbcore: registered new interface driver usb-storage

USB Mass Storage support registered.

mousedev: PS/2 mouse device common for all mice

ls1b rtc init

ls1b-rtc ls1b-rtc: rtc core: registered ls1b-rtc as rtc0

ls1b-rtc ls1b-rtc: LS1B RTC at bfe64020 irq 26

i2c /dev entries driver

i2c-ls1b init

i2c-ls1b probe

i2c-ls1b probe ok

Linux video capture interface: v2.00

gspca: v2.13.0 registered

usbcore: registered new interface driver zc3xx

usbcore: registered new interface driver usbhid

usbhid: USB HID core driver

TCP cubic registered

Initializing XFRM netlink socket

NET: Registered protocol family 17

lib80211: common routines for IEEE802.11 drivers

Registering the dns\_resolver key type

turn off boot console early0

Welcome to Buildroot

buildroot login: root

# ls

dpdk.sh dumpe1000.sh

#