

## 仕事おさめ

今年最後の会社，というわけで(?)，残タスクの傍ら，ZCU111の電源を入れるなど．  
PYNQを動かしてみるか，と，ビルドしたものをSDカードに書いてブートしてみたけど，  
mmcblk0p2が見つからない，といって起動してくれなかった．来年だな．

```
Release 2018.2 Dec 30 2018 - 14:22:33
NOTICE: ATF running on XCZU28DR/silicon v4/RTL5.1 at 0xffffea000
NOTICE: BL31: Secure code at 0x0
NOTICE: BL31: Non secure code at 0x80000000
NOTICE: BL31: v1.4(release):xilinx-v2018.1-4-g93a69a5a
NOTICE: BL31: Built : 05:24:09, Dec 30 2018
PMUFW: v1.0
```

```
U-Boot 2018.01 (Dec 30 2018 - 14:20:42 +0900) Xilinx ZynqMP ZCU102 rev1.0
```

```
I2C: ready
DRAM: 4 GiB
usb dr_mode not found
EL Level: EL2
Chip ID: zu28dr
MMC: sdhci@ff170000: 0 (SD)
SF: Detected mt25qu02g with page size 512 Bytes, erase size 128 KiB, total 512 MiB
*** Warning - bad CRC, using default environment
```

```
In: serial@ff000000
Out: serial@ff000000
Err: serial@ff000000
Board: Xilinx ZynqMP
Bootmode: LVL_SHFT_SD_MODE1
U-BOOT for xilinx-zcu111-2018.2
```

```
Hit any key to stop autoboot: 0
```

```
Device: sdhci@ff170000
Manufacturer ID: 3
OEM: 5344
Name: SC16G
```

```
Tran Speed: 208000000
```

```
Rd Block Len: 512
```

```
SD version 3.0
```

```
High Capacity: Yes
```

```
Capacity: 14.8 GiB
```

```
Bus Width: 4-bit
```

```
Erase Group Size: 512 Bytes
```

```
reading image.ub
```

```
14451564 bytes read in 956 ms (14.4 MiB/s)
```

```
## Loading kernel from FIT Image at 10000000 ...
```

```
Using 'conf@1' configuration
```

```
Trying 'kernel@0' kernel subimage
```

```
Description: Linux Kernel
```

```
Type: Kernel Image
```

```
Compression: uncompressed
```

```
Data Start: 0x100000d4
```

```
Data Size: 14418432 Bytes = 13.8 MiB
```

```
Architecture: AArch64
```

```
OS: Linux
```

```
Load Address: 0x00080000
```

```
Entry Point: 0x00080000
```

```
Hash algo: sha1
```

```
Hash value: 8f60719f8ea649c3d962c9744fe0f5502a6dbd87
```

```
Verifying Hash Integrity ... sha1+ OK
```

```
## Loading fdt from FIT Image at 10000000 ...
```

```
Using 'conf@1' configuration
```

```
Trying 'fdt@0' fdt subimage
```

```
Description: Flattened Device Tree blob
```

```
Type: Flat Device Tree
```

```
Compression: uncompressed
```

```
Data Start: 0x10dc03cc
```

```
Data Size: 31832 Bytes = 31.1 KiB
```

```
Architecture: AArch64
```

```
Hash algo: sha1
```

```
Hash value: 0f095db7392b374d71c87b656c77bb6a9019573a
```

```
Verifying Hash Integrity ... sha1+ OK
```

```
Booting using the fdt blob at 0x10dc03cc
```

```
Loading Kernel Image ... OK
```

```
Loading Device Tree to 000000007ff5000, end 000000007fffc57 ... OK
```

```

Starting kernel ...

[ 0.000000] Booting Linux on physical CPU 0x0
[ 0.000000] Linux version 4.14.0-xilinx-v2018.2 (oe-user@oe-host) (gcc version 7.2.0 (GCC)) #1
SMP Sun Dec 30 14:14:41 JST 2018
[ 0.000000] Boot CPU: AArch64 Processor [410fd034]
[ 0.000000] Machine model: xlnx,zynqmp
[ 0.000000] efi: Getting EFI parameters from FDT:
[ 0.000000] efi: UEFI not found.
[ 0.000000] cma: Reserved 128 MiB at 0x0000000077c00000
[ 0.000000] psci: probing for conduit method from DT.
[ 0.000000] psci: PSCIv1.1 detected in firmware.
[ 0.000000] psci: Using standard PSCI v0.2 function IDs
[ 0.000000] psci: MIGRATE_INFO_TYPE not supported.
[ 0.000000] random: fast init done
[ 0.000000] percpu: Embedded 21 pages/cpu @fffffc87ff78000 s46232 r8192 d31592 u86016
[ 0.000000] Detected VIPT I-cache on CPU0
[ 0.000000] CPU features: enabling workaround for ARM erratum 845719
[ 0.000000] Built 1 zonelists, mobility grouping on. Total pages: 1031940
[ 0.000000] Kernel command line: root=/dev/mmcblk0p2 rw earlyprintk rootfstype=ext4 rootwait
devtmpfs.mount=1 uio_pdrv_genirq.of_id="generic-uio" clk_ignore_unu
sed
[ 0.000000] PID hash table entries: 4096 (order: 3, 32768 bytes)
[ 0.000000] Dentry cache hash table entries: 524288 (order: 10, 4194304 bytes)
[ 0.000000] Inode-cache hash table entries: 262144 (order: 9, 2097152 bytes)
[ 0.000000] software IO TLB [mem 0x73c00000-0x77c00000] (64MB) mapped at [fffffc073c00000
-fffffc077bffff]
[ 0.000000] Memory: 3907508K/4193280K available (9852K kernel code, 640K rwdta, 3020K rodata,
512K init, 2361K bss, 154700K reserved, 131072K cma-reserved)
[ 0.000000] Virtual kernel memory layout:
[ 0.000000]   modules : 0xffffffff800000000 - 0xffffffff8008000000 ( 128 MB)
[ 0.000000]   vmalloc : 0xffffffff8008000000 - 0xffffffffbebf000000 ( 250 GB)
[ 0.000000]   .text : 0xffffffff8008080000 - 0xffffffff8008a20000 ( 9856 KB)
[ 0.000000]   .rodata : 0xffffffff8008a20000 - 0xffffffff8008d20000 ( 3072 KB)
[ 0.000000]   .init : 0xffffffff8008d20000 - 0xffffffff8008da0000 ( 512 KB)
[ 0.000000]   .data : 0xffffffff8008da0000 - 0xffffffff8008e40200 ( 641 KB)
[ 0.000000]   .bss : 0xffffffff8008e40200 - 0xffffffff800908e9b0 ( 2362 KB)
[ 0.000000]   fixed : 0xffffffffbefe7fd000 - 0xffffffffbefec00000 ( 4108 KB)
[ 0.000000]   PCI I/O : 0xffffffffbefee00000 - 0xffffffffbeffe00000 ( 16 MB)
[ 0.000000]   vmemmap : 0xffffffffbf00000000 - 0xfffffc0000000000 ( 4 GB maximum)
[ 0.000000]   memory : 0xfffffc0000000000 - 0xfffffc8800000000 ( 34816 MB)
[ 0.000000] Hierarchical RCU implementation.
[ 0.000000] RCU event tracing is enabled.
[ 0.000000] RCU restricting CPUs from NR_CPUS=8 to nr_cpu_ids=4.
[ 0.000000] RCU: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=4
[ 0.000000] NR_IRQS: 64, nr_irqs: 64, preallocated irq: 0
[ 0.000000] GIC: Adjusting CPU interface base to 0x00000000f902f000
[ 0.000000] GIC: Using split EOI/Deactivate mode
[ 0.000000] arch_timer: cp15 timer(s) running at 99.99MHz (phys).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x171015c90f,
max_idle_ns: 440795203080 ns
[ 0.000003] sched_clock: 56 bits at 99MHz, resolution 10ns, wraps every 4398046511101ns
[ 0.000283] Console: colour dummy device 80x25
[ 0.000564] console [tty0] enabled
[ 0.000583] Calibrating delay loop (skipped), value calculated using timer frequency.. 199.99
BogoMIPS (lpj=399996)
[ 0.000599] pid_max: default: 32768 minimum: 301
[ 0.000724] Mount-cache hash table entries: 8192 (order: 4, 65536 bytes)
[ 0.000743] Mountpoint-cache hash table entries: 8192 (order: 4, 65536 bytes)
[ 0.001366] ASID allocator initialised with 65536 entries
[ 0.001420] Hierarchical SRCU implementation.
[ 0.001707] EFI services will not be available.
[ 0.001734] zynqmp_plat_init Platform Management API v1.0
[ 0.001743] zynqmp_plat_init Trustzone version v1.0
[ 0.001847] smp: Bringing up secondary CPUs ...
[ 0.002103] Detected VIPT I-cache on CPU1
[ 0.002132] CPU1: Booted secondary processor [410fd034]
[ 0.002414] Detected VIPT I-cache on CPU2
[ 0.002432] CPU2: Booted secondary processor [410fd034]
[ 0.002700] Detected VIPT I-cache on CPU3
[ 0.002718] CPU3: Booted secondary processor [410fd034]
[ 0.002759] smp: Brought up 1 node, 4 CPUs
[ 0.002797] SMP: Total of 4 processors activated.
[ 0.002806] CPU features: detected feature: 32-bit ELO Support
[ 0.002818] CPU: All CPU(s) started at EL2
[ 0.002835] alternatives: patching kernel code
[ 0.003593] devtmpfs: initialized
[ 0.007001] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
7645041785100000 ns
[ 0.007020] futex hash table entries: 1024 (order: 5, 131072 bytes)
[ 0.009902] xor: measuring software checksum speed

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```

0.048015] 8regs      : 2303.000 MB/sec
0.088046] 8regs_prefetch: 2053.000 MB/sec
0.128079] 32regs     : 2830.000 MB/sec
0.168109] 32regs_prefetch: 2379.000 MB/sec
0.168117] xor: using function: 32regs (2830.000 MB/sec)
0.168183] pinctrl core: initialized pinctrl subsystem
0.168697] NET: Registered protocol family 16
0.169330] cpuidle: using governor menu
0.169752] vdso: 2 pages (1 code @ fffffff8008a26000, 1 data @ fffffff8008da4000)
0.169769] hw-breakpoint: found 6 breakpoint and 4 watchpoint registers.
0.170237] DMA: preallocated 256 KiB pool for atomic allocations
0.199766] reset_zynqmp reset-controller: Xilinx zynqmp reset driver probed
0.200245] ARM CCI_400_r1 PMU driver probed
0.204844] zynqmp-pinctrl ff180000.pinctrl: zynqmp pinctrl initialized
0.212030] HugeTLB registered 2.00 MiB page size, pre-allocated 0 pages
0.280380] raid6: int64x1 gen() 397 MB/s
0.348302] raid6: int64x1 xor() 446 MB/s
0.416362] raid6: int64x2 gen() 682 MB/s
0.484423] raid6: int64x2 xor() 602 MB/s
0.552425] raid6: int64x4 gen() 1040 MB/s
0.620471] raid6: int64x4 xor() 742 MB/s
0.688520] raid6: int64x8 gen() 979 MB/s
0.756578] raid6: int64x8 xor() 744 MB/s
0.824692] raid6: neonx1 gen() 726 MB/s
0.892695] raid6: neonx1 xor() 853 MB/s
0.960752] raid6: neonx2 gen() 1166 MB/s
1.028788] raid6: neonx2 xor() 1207 MB/s
1.096830] raid6: neonx4 gen() 1509 MB/s
1.164873] raid6: neonx4 xor() 1438 MB/s
1.232941] raid6: neonx8 gen() 1651 MB/s
1.300980] raid6: neonx8 xor() 1531 MB/s
1.300988] raid6: using algorithm neonx8 gen() 1651 MB/s
1.300995] raid6: .... xor() 1531 MB/s, rmw enabled
1.301003] raid6: using neon recovery algorithm
1.301881] SCSI subsystem initialized
1.302055] usbcore: registered new interface driver usbfs
1.302094] usbcore: registered new interface driver hub
1.302130] usbcore: registered new device driver usb
1.302195] media: Linux media interface: v0.10
1.302221] Linux video capture interface: v2.00
1.302260] pps_core: LinuxPPS API ver. 1 registered
1.302268] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti
<giometti@linux.it>
1.302292] PTP clock support registered
1.302322] EDAC MC: Ver: 3.0.0
1.302620] zynqmp-ipi ff9905c0.mailbox: Probed ZynqMP IPI Mailbox driver.
1.302757] FPGA manager framework
1.302865] fpga-region fpga-full: FPGA Region probed
1.302955] Advanced Linux Sound Architecture Driver Initialized.
1.303203] Bluetooth: Core ver 2.22
1.303233] NET: Registered protocol family 31
1.303241] Bluetooth: HCI device and connection manager initialized
1.303253] Bluetooth: HCI socket layer initialized
1.303263] Bluetooth: L2CAP socket layer initialized
1.303282] Bluetooth: SCO socket layer initialized
1.303888] clocksource: Switched to clocksource arch_sys_counter
1.303974] VFS: Disk quotas dquot_6.6.0
1.304018] VFS: Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
1.308015] NET: Registered protocol family 2
1.308312] TCP established hash table entries: 32768 (order: 6, 262144 bytes)
1.308523] TCP bind hash table entries: 32768 (order: 7, 524288 bytes)
1.308926] TCP: Hash tables configured (established 32768 bind 32768)
1.308998] UDP hash table entries: 2048 (order: 4, 65536 bytes)
1.309075] UDP-Lite hash table entries: 2048 (order: 4, 65536 bytes)
1.309237] NET: Registered protocol family 1
1.309414] RPC: Registered named UNIX socket transport module.
1.309424] RPC: Registered udp transport module.
1.309431] RPC: Registered tcp transport module.
1.309438] RPC: Registered tcp NFSv4.1 backchannel transport module.
1.309890] hw perfevents: no interrupt-affinity property for /pmu, guessing.
1.310039] hw perfevents: enabled with armv8_pmu3 PMU driver, 7 counters available
1.310716] audit: initializing netlink subsys (disabled)
1.311047] audit: type=2000 audit(1.300:1): state=initialized audit_enabled=0 res=1
1.311098] workingset: timestamp_bits=46 max_order=20 bucket_order=0
1.311754] NFS: Registering the id_resolver key type
1.311775] Key type id_resolver registered
1.311782] Key type id_legacy registered
1.311794] nfs4filelayout_init: NFSv4 File Layout Driver Registering...
1.311815] jffs2: version 2.2. (NAND) (SUMMARY) 2001-2006 Red Hat, Inc.
1.335466] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 246)
1.335488] io scheduler noop registered
1.335496] io scheduler deadline registered

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[ 1.335522] io scheduler cfq registered (default)
[ 1.335530] io scheduler mq-deadline registered
[ 1.335538] io scheduler kyber registered
[ 1.336744] xilinx-dpdma fd4c0000.dma: Xilinx DPDMA engine is probed
[ 1.337141] xilinx-zynqmp-dma fd500000.dma: ZynqMP DMA driver Probe success
[ 1.337288] xilinx-zynqmp-dma fd510000.dma: ZynqMP DMA driver Probe success
[ 1.337432] xilinx-zynqmp-dma fd520000.dma: ZynqMP DMA driver Probe success
[ 1.337578] xilinx-zynqmp-dma fd530000.dma: ZynqMP DMA driver Probe success
[ 1.337723] xilinx-zynqmp-dma fd540000.dma: ZynqMP DMA driver Probe success
[ 1.337870] xilinx-zynqmp-dma fd550000.dma: ZynqMP DMA driver Probe success
[ 1.338016] xilinx-zynqmp-dma fd560000.dma: ZynqMP DMA driver Probe success
[ 1.338160] xilinx-zynqmp-dma fd570000.dma: ZynqMP DMA driver Probe success
[ 1.338365] xilinx-zynqmp-dma ffa80000.dma: ZynqMP DMA driver Probe success
[ 1.338509] xilinx-zynqmp-dma ffa90000.dma: ZynqMP DMA driver Probe success
[ 1.338648] xilinx-zynqmp-dma ffaa0000.dma: ZynqMP DMA driver Probe success
[ 1.338790] xilinx-zynqmp-dma ffab0000.dma: ZynqMP DMA driver Probe success
[ 1.338931] xilinx-zynqmp-dma ffac0000.dma: ZynqMP DMA driver Probe success
[ 1.339074] xilinx-zynqmp-dma ffad0000.dma: ZynqMP DMA driver Probe success
[ 1.339216] xilinx-zynqmp-dma ffae0000.dma: ZynqMP DMA driver Probe success
[ 1.339361] xilinx-zynqmp-dma ffaf0000.dma: ZynqMP DMA driver Probe success
[ 1.364613] Serial: 8250/16550 driver, 4 ports, IRQ sharing disabled
[ 1.367658] cacheinfo: Unable to detect cache hierarchy for CPU 0
[ 1.371696] brd: module loaded
[ 1.375111] loop: module loaded
[ 1.386140] ahci-ceva fd0c0000.ahci: AHCI 0001.0301 32 slots 2 ports 6 Gbps 0x3 impl platform
mode
[ 1.386163] ahci-ceva fd0c0000.ahci: flags: 64bit ncq sntf pm clo only pmp fbs pio slum part ccc
sds apst
[ 1.386935] scsi host0: ahci-ceva
[ 1.387141] scsi host1: ahci-ceva
[ 1.387254] ata1: SATA max UDMA/133 mmio [mem 0xfd0c0000-0xfd0c1fff] port 0x100 irq 39
[ 1.387267] ata2: SATA max UDMA/133 mmio [mem 0xfd0c0000-0xfd0c1fff] port 0x180 irq 39
[ 1.387461] mtdoops: mtd device (mtddev=name/number) must be supplied
[ 1.388344] m25p80 spi0.0: found mt25ul02g, expected n25q512a
[ 1.388561] m25p80 spi0.0: mt25ul02g (524288 Kbytes)
[ 1.388583] 3 ofpart partitions found on MTD device spi0.0
[ 1.388591] Creating 3 MTD partitions on "spi0.0":
[ 1.388603] 0x000000000000-0x000000100000 : "boot"
[ 1.389035] 0x000000100000-0x000000140000 : "bootenv"
[ 1.389422] 0x000000140000-0x000000174000 : "kernel"
[ 1.390655] libphy: Fixed MDIO Bus: probed
[ 1.391676] tun: Universal TUN/TAP device driver, 1.6
[ 1.391804] CAN device driver interface
[ 1.392523] macb ff0e0000.ethernet: Not enabling partial store and forward
[ 1.392554] macb ff0e0000.ethernet: invalid hw address, using random
[ 1.392970] libphy: MACB_mii_bus: probed
[ 1.395323] macb ff0e0000.ethernet eth0: Could not attach to PHY
[ 1.424985] xilinx-axipmon ffa00000.perf-monitor: Probed Xilinx APM
[ 1.425327] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.425338] ehci-pci: EHCI PCI platform driver
[ 1.425628] usbcore: registered new interface driver cdc_acm
[ 1.425637] cdc_acm: USB Abstract Control Model driver for USB modems and ISDN adapters
[ 1.425668] usbcore: registered new interface driver cdc_wdm
[ 1.425704] usbcore: registered new interface driver usb-storage
[ 1.426161] rtc_zynqmp ffa60000.rtc: rtc core: registered ffa60000.rtc as rtc0
[ 1.426215] i2c /dev entries driver
[ 1.426559] cdns-i2c ff020000.i2c: 400 kHz mmio ff020000 irq 32
[ 1.426890] cdns-i2c ff030000.i2c: 400 kHz mmio ff030000 irq 33
[ 1.427089] IR NEC protocol handler initialized
[ 1.427098] IR RC5(x/sz) protocol handler initialized
[ 1.427106] IR RC6 protocol handler initialized
[ 1.427113] IR JVC protocol handler initialized
[ 1.427120] IR Sony protocol handler initialized
[ 1.427127] IR SANYO protocol handler initialized
[ 1.427133] IR Sharp protocol handler initialized
[ 1.427140] IR MCE Keyboard/mouse protocol handler initialized
[ 1.427148] IR XMP protocol handler initialized
[ 1.428592] cdns-wdt fd4d0000.watchdog: Xilinx Watchdog Timer at ffffff8009125000 with timeout 10
s
[ 1.428773] Bluetooth: HCI UART driver ver 2.3
[ 1.428784] Bluetooth: HCI UART protocol H4 registered
[ 1.428792] Bluetooth: HCI UART protocol BCSP registered
[ 1.428819] Bluetooth: HCI UART protocol LL registered
[ 1.428828] Bluetooth: HCI UART protocol ATH3K registered
[ 1.428836] Bluetooth: HCI UART protocol Three-wire (H5) registered
[ 1.428878] Bluetooth: HCI UART protocol Intel registered
[ 1.428886] Bluetooth: HCI UART protocol QCA registered
[ 1.428922] usbcore: registered new interface driver bcm203x
[ 1.428957] usbcore: registered new interface driver bpa10x
[ 1.428988] usbcore: registered new interface driver bfusb
[ 1.429021] usbcore: registered new interface driver btusb
[ 1.429030] Bluetooth: Generic Bluetooth SDIO driver ver 0.1

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[ 1.429081] usbcore: registered new interface driver ath3k
[ 1.429202] EDAC MC: ECC not enabled
[ 1.429351] EDAC DEVICE0: Giving out device to module zynqmp-ocm-edac controller zynqmp-ocm: DEV
ff960000.memory-controller (INTERRUPT)
[ 1.430163] sdhci: Secure Digital Host Controller Interface driver
[ 1.430172] sdhci: Copyright(c) Pierre Ossman
[ 1.430179] sdhci-pltfm: SDHCI platform and OF driver helper
[ 1.475894] mmc0: SDHCI controller on ff170000.sdhci [ff170000.sdhci] using ADMA 64-bit
[ 1.481795] ledtrig-cpu: registered to indicate activity on CPUs
[ 1.481935] usbcore: registered new interface driver usbhid
[ 1.481943] usbhid: USB HID core driver
[ 1.482038] xlnk xlnk: Major 243
[ 1.482192] xlnk xlnk: xlnk driver loaded
[ 1.482203] xlnk xlnk: xlnk_pdev is not null
[ 1.484953] fpga_manager fpga0: Xilinx ZynqMP FPGA Manager registered
[ 1.487700] pktgen: Packet Generator for packet performance testing. Version: 2.75
[ 1.487897] Netfilter messages via NETLINK v0.30.
[ 1.488017] ip_tables: (C) 2000-2006 Netfilter Core Team
[ 1.488205] Initializing XFRM netlink socket
[ 1.488286] NET: Registered protocol family 10
[ 1.488657] Segment Routing with IPv6
[ 1.488704] ip6_tables: (C) 2000-2006 Netfilter Core Team
[ 1.488835] sit: IPv6, IPv4 and MPLS over IPv4 tunneling driver
[ 1.489147] NET: Registered protocol family 17
[ 1.489164] NET: Registered protocol family 15
[ 1.489183] bridge: filtering via arp/ip/ip6tables is no longer available by default. Update your
scripts to load br_netfilter if you need this.
[ 1.489197] Ebtables v2.0 registered
[ 1.489288] can: controller area network core (rev 20170425 abi 9)
[ 1.489323] NET: Registered protocol family 29
[ 1.489331] can: raw protocol (rev 20170425)
[ 1.489339] can: broadcast manager protocol (rev 20170425 t)
[ 1.489350] can: netlink gateway (rev 20170425) max_hops=1
[ 1.489522] Bluetooth: RFCOMM TTY layer initialized
[ 1.489534] Bluetooth: RFCOMM socket layer initialized
[ 1.489550] Bluetooth: RFCOMM ver 1.11
[ 1.489560] Bluetooth: BNEP (Ethernet Emulation) ver 1.3
[ 1.489568] Bluetooth: BNEP filters: protocol multicast
[ 1.489579] Bluetooth: BNEP socket layer initialized
[ 1.489586] Bluetooth: HIDP (Human Interface Emulation) ver 1.2
[ 1.489599] Bluetooth: HIDP socket layer initialized
[ 1.489707] 9pnet: Installing 9P2000 support
[ 1.489726] Key type dns_resolver registered
[ 1.490146] registered taskstats version 1
[ 1.490503] Btrfs loaded, crc32c=crc32c-generic
[ 1.496989] ff000000.serial: ttyPS0 at MMIO 0xff000000 (irq = 41, base_baud = 6249999) is a
quartps
[ 1.701095] ata1: SATA link down (SStatus 0 SControl 330)
[ 1.702090] ata2: SATA link down (SStatus 0 SControl 330)
[ 1.938256] mmc0: new ultra high speed SDR104 SDHC card at address aaaa
[ 1.943226] mmcblk0: mmc0:aaaa SC16G 14.8 GiB (ro)
[ 1.949266] mmcblk0: p1 p2
[ 3.120203] console [ttyPS0] enabled
[ 3.124175] ff010000.serial: ttyPS1 at MMIO 0xff010000 (irq = 42, base_baud = 6249999) is a
quartps
[ 3.134333] xilinx-psgtr fd400000.zynqmp_phy: Lane:1 type:8 protocol:4 pll_locked:yes
[ 3.142455] PLL: shutdown
[ 3.145123] PLL: shutdown
[ 3.148021] PLL: enable
[ 3.150504] PLL: shutdown
[ 3.153862] PLL: enable
[ 3.156332] xilinx-dp-snd-codec fd4a0000.zynqmp-display:zynqmp_dp_snd_codec0: Xilinx DisplayPort
Sound Codec probed
[ 3.166924] xilinx-dp-snd-pcm zynqmp_dp_snd_pcm0: Xilinx DisplayPort Sound PCM probed
[ 3.174882] xilinx-dp-snd-pcm zynqmp_dp_snd_pcm1: Xilinx DisplayPort Sound PCM probed
[ 3.183132 ] xilinx-dp-snd-card fd4 a0000 .zynqmp-display:zynqmp_dp_snd_card:
xilinx-dp-snd-codec-dai <-> xilinx-dp-snd-codec-dai mapping ok
[ 3.195498 ] xilinx-dp-snd-card fd4 a0000 .zynqmp-display:zynqmp_dp_snd_card:
xilinx-dp-snd-codec-dai <-> xilinx-dp-snd-codec-dai mapping ok
[ 3.208133] xilinx-dp-snd-card fd4a0000.zynqmp-display:zynqmp_dp_snd_card: Xilinx DisplayPort
Sound Card probed
[ 3.218226] OF: graph: no port node found in /amba/zynqmp-display@fd4a0000
[ 3.225135] [drm] Supports vblank timestamp caching Rev 2 (21.10.2013).
[ 3.231668] [drm] No driver support for vblank timestamp query.
[ 3.237628] xlnx-drm xlnx-drm.0: bound fd4a0000.zynqmp-display (ops 0xfffff8008ad8928)
[ 4.323901] [drm] Cannot find any crtc or sizes
[ 4.328528] [drm] Initialized xlnx 1.0.0 20130509 for fd4a0000.zynqmp-display on minor 0
[ 4.336560] zynqmp-display fd4a0000.zynqmp-display: ZynqMP DisplayPort Subsystem driver probed
[ 4.345378] dwc3-of-simple ff9d0000.usb0: dwc3_simple_set_phydata: Can't find usb3-phy
[ 4.354146] xhci-hcd xhci-hcd.0.auto: xHCI Host Controller
[ 4.359564] xhci-hcd xhci-hcd.0.auto: new USB bus registered, assigned bus number 1
[ 4.367408] xhci-hcd xhci-hcd.0.auto: hcc params 0x0238f625 hci version 0x100 quirks 0x22010010

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4.376060] xhci-hcd xhci-hcd.0.auto: irq 48, io mem 0xfe200000
4.382039] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
4.388755] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
4.395957] usb usb1: Product: xHCI Host Controller
4.400815] usb usb1: Manufacturer: Linux 4.14.0-xilinx-v2018.2 xhci-hcd
4.407498] usb usb1: SerialNumber: xhci-hcd.0.auto
4.412615] hub 1-0:1.0: USB hub found
4.412615] hub 1-0:1.0: USB hub found
4.416304] hub 1-0:1.0: 1 port detected
4.420365] xhci-hcd xhci-hcd.0.auto: xHCI Host Controller
4.425778] xhci-hcd xhci-hcd.0.auto: new USB bus registered, assigned bus number 2
4.433454] usb usb2: We don't know the algorithms for LPM for this host, disabling LPM.
4.441559] usb usb2: New USB device found, idVendor=1d6b, idProduct=0003
4.448270] usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
4.455475] usb usb2: Product: xHCI Host Controller
4.460335] usb usb2: Manufacturer: Linux 4.14.0-xilinx-v2018.2 xhci-hcd
4.467017] usb usb2: SerialNumber: xhci-hcd.0.auto
4.472109] hub 2-0:1.0: USB hub found
4.475784] hub 2-0:1.0: 1 port detected
4.479866] dwc3 fe200000.dwc3: couldn't register cable notifier
4.485794] dwc3 fe200000.dwc3: failed to initialize dual-role
4.491628] platform fe200000.dwc3: runtime PM trying to suspend device but active child
4.499682] dwc3: probe of fe200000.dwc3 failed with error -22
4.506301] rtc_zynqmp ffa60000.rtc: setting system clock to 2018-05-27 06:32:36 UTC (1527402756)
4.515190] clk: Not disabling unused clocks
4.519415] ALSA device list:
4.522326] #0: DisplayPort monitor
4.526429] VFS: Cannot open root device "mmcblk0p2" or unknown-block(179,2): error -30
4.534361] Please append a correct "root=" boot option; here are the available partitions:
4.542693] 0100          65536 ram0
4.542695] (driver?)
4.548754] 0101          65536 ram1
4.548755] (driver?)
4.554826] 0102          65536 ram2
4.554827] (driver?)
4.560905] 0103          65536 ram3
4.560906] (driver?)
4.566978] 0104          65536 ram4
4.566979] (driver?)
4.573058] 0105          65536 ram5
4.573059] (driver?)
4.579130] 0106          65536 ram6
4.579131] (driver?)
4.585210] 0107          65536 ram7
4.585211] (driver?)
4.591282] 0108          65536 ram8
4.591283] (driver?)
4.597363] 0109          65536 ram9
4.597365] (driver?)
4.603434] 010a          65536 ram10
4.603435] (driver?)
4.609601] 010b          65536 ram11
4.609602] (driver?)
4.615760] 010c          65536 ram12
4.615761] (driver?)
4.621927] 010d          65536 ram13
4.621928] (driver?)
4.628090] 010e          65536 ram14
4.628091] (driver?)
4.634248] 010f          65536 ram15
4.634250] (driver?)
4.640418] 1f00           1024 mtdblock0
4.640419] (driver?)
4.646921] 1f01           256 mtdblock1
4.646923] (driver?)
4.653435] 1f02          22528 mtdblock2
4.653437] (driver?)
4.659945] b300          15558144 mmcblk0
4.659947] driver: mmcblk
4.666713] b301          102400 mmcblk0p1 9c0718f7-01
4.666714]
4.673482] b302          7236608 mmcblk0p2 9c0718f7-02
4.673483]
4.680256] Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(179,2)
4.688677] CPU: 0 PID: 1 Comm: swapper/0 Not tainted 4.14.0-xilinx-v2018.2 #1
4.695877] Hardware name: xlnx,zynqmp (DT)
4.700042] Call trace:
4.702480] [<fffff8008088c78>] dump_backtrace+0x0/0x368
4.707858] [<fffff8008088ff4>] show_stack+0x14/0x20
4.712893] [<fffff8008a00078>] dump_stack+0x9c/0xbc
4.717927] [<fffff800809be88>] panic+0x11c/0x274
4.722700] [<fffff8008d210f8>] mount_block_root+0x198/0x26c

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[ 4.728428] [<ffffff8008d21404>] mount_root+0x11c/0x134
[ 4.733636] [<ffffff8008d21588>] prepare_namespace+0x16c/0x1b4
[ 4.739452] [<ffffff8008d20d28>] kernel_init_freeable+0x1b8/0x1d8
[ 4.74529] [<ffffff8008a123e8>] kernel_init+0x10/0x100
[ 4.750736] [<ffffff8008084a90>] ret_from_fork+0x10/0x18
[ 4.756031] SMP: stopping secondary CPUs
[ 4.759935] Kernel Offset: disabled
[ 4.763406] CPU features: 0x002004
[ 4.766791] Memory Limit: none
[ 4.769833] ---[ end Kernel panic - not syncing: VFS: Unable to mount root fs on
unknown-block(179,2)
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