

### 3.0基站产品测试 - 错误 #5381

### 西安247环境os驱动挂死，ETH2不通问题

2026-06-05 15:30 - 周立伟

状态:	新建	开始日期:	2026-06-05
优先级:	一般	计划完成日期:	
指派给:	战戈戈	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	DRV	目标解决问题版本:	Rel_3.2.1
发现问题版本:	Rel_3.2.1		
描述			

### 历史记录

#1 - 2026-06-05 15:35 - 周立伟

- 文件 os\_err.jpg 已添加

```
2026-06-04 08:21:10:661(201s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:132.583Mb/s dMcs:27.0 dlRank:1.0 dRb:97.5% dBler:0.34% dHqFail:0 ulThr:266.5Mb/s bsr:685 ulMcs:25.3 ulRank:1.0 ulRb:96.8% iBler:2.98% rBler:38.52% ulHqFail:99 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:21:30:691(301s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:132.125Mb/s dMcs:27.0 dlRank:1.0 dRb:97.5% dBler:0.67% dHqFail:0 ulThr:265.6Mb/s bsr:682 ulMcs:25.2 ulRank:1.0 ulRb:96.8% iBler:3.02% rBler:32.07% ulHqFail:72 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:21:50:722(321s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:132.452Mb/s dMcs:27.0 dlRank:1.0 dRb:97.5% dBler:0.43% dHqFail:0 ulThr:267.6Mb/s bsr:687 ulMcs:25.2 ulRank:1.0 ulRb:96.8% iBler:2.93% rBler:18.56% ulHqFail:22 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:22:10:755(341s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:132.487Mb/s dMcs:27.0 dlRank:1.0 dRb:97.5% dBler:0.43% dHqFail:0 ulThr:266.3Mb/s bsr:684 ulMcs:25.2 ulRank:1.0 ulRb:96.8% iBler:2.94% rBler:21.67% ulHqFail:35 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
Message from syslogd@driver at Jun 4 08:22:22 ...
kernel: [ 438.038140] Internal error: Oops - BUG: 0 [#1] SMP
Message from syslogd@driver at Jun 4 08:22:22 ...
kernel: [ 438.257646] Code: 9119a000 f8617aa1 9421eal17ffffe7 (d4210000)
2026-06-04 08:22:30:783(361s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:92.232Mb/s dMcs:27.0 dlRank:1.0 dRb:67.9% dBler:0.46% dHqFail:3 ulThr:263.7Mb/s bsr:684 ulMcs:25.0 ulRank:1.0 ulRb:96.8% iBler:2.83% rBler:31.20% ulHqFail:54 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:22:48:806(380s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.267Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:233.7Mb/s bsr:614 ulMcs:24.5 ulRank:1.0 ulRb:87.1% iBler:2.65% rBler:22.99% ulHqFail:19 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:23:08:831(400s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.360Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:259.5Mb/s bsr:684 ulMcs:24.5 ulRank:1.0 ulRb:96.7% iBler:2.70% rBler:26.11% ulHqFail:28 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:23:28:857(420s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.360Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:259.5Mb/s bsr:686 ulMcs:24.5 ulRank:1.0 ulRb:96.7% iBler:2.69% rBler:26.28% ulHqFail:33 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:23:48:883(440s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.361Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:259.5Mb/s bsr:683 ulMcs:24.5 ulRank:1.0 ulRb:96.8% iBler:2.63% rBler:26.80% ulHqFail:24 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:24:08:908(460s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.360Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:260.4Mb/s bsr:682 ulMcs:24.6 ulRank:1.0 ulRb:96.8% iBler:2.70% rBler:22.24% ulHqFail:23 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:24:28:934(480s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.295Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:259.5Mb/s bsr:684 ulMcs:24.6 ulRank:1.0 ulRb:96.8% iBler:2.79% rBler:21.72% ulHqFail:22 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:24:48:959(500s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.298Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:260.5Mb/s bsr:685 ulMcs:24.6 ulRank:1.0 ulRb:96.8% iBler:2.71% rBler:24.25% ulHqFail:27 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:25:08:985(520s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.301Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:259.7Mb/s bsr:688 ulMcs:24.5 ulRank:1.0 ulRb:96.8% iBler:2.73% rBler:24.15% ulHqFail:32 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:25:29:010(540s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.304Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:260.5Mb/s bsr:681 ulMcs:24.6 ulRank:1.0 ulRb:96.8% iBler:2.73% rBler:20.47% ulHqFail:25 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:25:49:036(560s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.295Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:258.8Mb/s bsr:682 ulMcs:24.5 ulRank:1.0 ulRb:96.8% iBler:2.62% rBler:28.02% ulHqFail:35 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:26:09:061(580s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.298Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:256.8Mb/s bsr:683 ulMcs:24.4 ulRank:1.0 ulRb:96.7% iBler:2.62% rBler:29.10% ulHqFail:33 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:26:29:087(600s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.297Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:257.5Mb/s bsr:688 ulMcs:24.4 ulRank:1.0 ulRb:96.8% iBler:2.57% rBler:29.14% ulHqFail:28 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:26:49:113(620s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.297Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:257.5Mb/s bsr:687 ulMcs:24.5 ulRank:1.0 ulRb:96.8% iBler:2.65% rBler:31.39% ulHqFail:38 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
2026-06-04 08:27:09:139(640s) cellAdd:1 notExpt:0 errInd:0 diffErr:21 rach:0 ue:17017(1) dlThr:0.297Mb/s dMcs:27.0 dlRank:1.0 dRb:0.1% dBler:0.00% dHqFail:0 ulThr:257.5Mb/s bsr:684 ulMcs:24.4 ulRank:1.0 ulRb:96.8% iBler:2.69% rBler:25.22% ulHqFail:22 srMax:0 physSchTimeOut:1 phyHandTimeOut:21 lv1TtiNotExp:1 lv1TtiDiffErr:31 lv2TtiNotExp:1 lv2TtiDiffErr:30 msgdrop:1 msgdrop2:0
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#2 - 2026-06-05 15:36 - 周立伟

```
dmesg
[ 0.000000] Booting Linux on physical CPU 0x0000000000 [0x410fd083]
[ 0.000000] Linux version 5.10.165-v8 (root@zaj-virtual-machine) (aarch64-linux-gnu-gcc (Ubuntu/Linaro 7.5.0-3ubuntu1~18.04) 7.5.0, GNU ld (GNU Binutils for Ubuntu) 2.30) #30 SMP Fri Apr 10 18:03:32 CST 2026
[ 0.000000] Machine model: smartlogic,ucp2
[ 0.000000] Reserved memory: created CMA memory pool at 0x00000000f0000000, size 192 MiB
[ 0.000000] OF: reserved mem: initialized node memory@0xb0000000, compatible id shared-dma-pool
[ 0.000000] Zone ranges:
[ 0.000000] DMA [mem 0x0000000010000000-0x00000000ffffff]
[ 0.000000] DMA32 empty
[ 0.000000] Normal [mem 0x0000000010000000-0x000000003ffffff]
[ 0.000000] Movable zone start for each node
[ 0.000000] Early memory node ranges
[ 0.000000] node 0: [mem 0x0000000010000000-0x00000000b7ffffff]
[ 0.000000] node 0: [mem 0x00000000b8000000-0x000000003ffffff]
[ 0.000000] Initmem setup node 0 [mem 0x0000000010000000-0x000000003ffffff]
[ 0.000000] On node 0 totalpages: 4128768
```

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[ 0.000000] DMA zone: 15360 pages used for memmap
[ 0.000000] DMA zone: 0 pages reserved
[ 0.000000] DMA zone: 983040 pages, LIFO batch:63
[ 0.000000] Normal zone: 49152 pages used for memmap
[ 0.000000] Normal zone: 3145728 pages, LIFO batch:63
[ 0.000000] percpu: Embedded 22 pages/cpu s49304 r8192 d32616 u90112
[ 0.000000] pcpu-alloc: s49304 r8192 d32616 u90112 alloc=22*4096
[ 0.000000] pcpu-alloc: [0] 0 [0] 1 [0] 2 [0] 3 [0] 4 [0] 5 [0] 6 [0] 7
[ 0.000000] Detected PIPT I-cache on CPU0
[ 0.000000] CPU features: detected: GIC system register CPU interface
[ 0.000000] CPU features: detected: EL2 vector hardening
[ 0.000000] CPU features: kernel page table isolation disabled by kernel configuration
[ 0.000000] CPU features: detected: Spectre-v2
[ 0.000000] CPU features: detected: Spectre-v4
[ 0.000000] CPU features: detected: ARM errata 1165522, 1319367, or 1530923
[ 0.000000] CPU features: detected: Spectre-BHB
[ 0.000000] CPU features: detected: ARM erratum 1742098
[ 0.000000] Built 1 zonelists, mobility grouping on. Total pages: 4064256
[ 0.000000] Kernel command line: console=ttyS0,115200n8 coherent_pool=32M root=/dev/ram0 rw hugepagesz=1G default_hugepagesz=1G hugepages=0
ramdisk_size=1000000
[ 0.000000] Dentry cache hash table entries: 2097152 (order: 12, 16777216 bytes, linear)
[ 0.000000] Inode-cache hash table entries: 1048576 (order: 11, 8388608 bytes, linear)
[ 0.000000] mem auto-init: stack:off, heap alloc:off, heap free:off
[ 0.000000] software IO TLB: mapped [mem 0x00000000ec000000-0x00000000f0000000] (64MB)
[ 0.000000] Memory: 13049888K/16515072K available (8830K kernel code, 1128K rwdata, 3044K rodata, 1792K init, 593K bss, 3268576K reserved, 196608K
cma-reserved)
[ 0.000000] SLUB: HWalign=64, Order=0-3, MinObjects=0, CPUs=8, Nodes=1
[ 0.000000] rcu: Hierarchical RCU implementation.
[ 0.000000] rcu: RCU event tracing is enabled.
[ 0.000000] rcu: RCU calculated value of scheduler-enlistment delay is 100 jiffies.
[ 0.000000] NR_IRQS: 64, nr_irqs: 64, preallocated irq: 0
[ 0.000000] GICv3: 640 SPIs implemented
[ 0.000000] GICv3: 0 Extended SPIs implemented
[ 0.000000] GICv3: Distributor has no Range Selector support
[ 0.000000] GICv3: 16 PPIs implemented
[ 0.000000] GICv3: CPU0: found redistributor 0 region 0:0x0000000001900000
[ 0.000000] ITS: No ITS available, not enabling LPIs
[ 0.000000] rcu: Offload RCU callbacks from CPUs: (none).
[ 0.000000] SCRGR reg base is fffffc010f90000
[ 0.000000] CCRGR reg base is fffffc010fa8000
[ 0.000000] arch_timer: cp15 timer(s) running at 50.00MHz (virt).
[ 0.000000] clocksource: arch_sys_counter: mask: 0xfffffffffff max_cycles: 0xb8812736b, max_idle_ns: 440795202655 ns
[ 0.000002] sched_clock: 56 bits at 50MHz, resolution 20ns, wraps every 4398046511100ns
[ 0.000106] Console: colour dummy device 80x25
[ 0.000125] Calibrating delay loop (skipped), value calculated using timer frequency.. 100.00 BogoMIPS (lpj=50000)
[ 0.000131] pid_max: default: 32768 minimum: 301
[ 0.000227] Mount-cache hash table entries: 32768 (order: 6, 262144 bytes, linear)
[ 0.000279] Mountpoint-cache hash table entries: 32768 (order: 6, 262144 bytes, linear)
[ 0.000924] rcu: Hierarchical SRCU implementation.
[ 0.001398] smp: Bringing up secondary CPUs ...
[ 0.001551] Detected PIPT I-cache on CPU1
[ 0.001556] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU1: 0x0000000000000000
[ 0.001567] CPU features: Unsupported CPU feature variation detected.
[ 0.001572] GICv3: CPU1: found redistributor 1 region 0:0x0000000001920000
[ 0.001588] CPU1: Booted secondary processor 0x0000000001 [0x410fd083]
[ 0.001764] Detected PIPT I-cache on CPU2
[ 0.001767] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU2: 0x0000000000000000
[ 0.001776] GICv3: CPU2: found redistributor 2 region 0:0x0000000001940000
[ 0.001786] CPU2: Booted secondary processor 0x0000000002 [0x410fd083]
[ 0.001953] Detected PIPT I-cache on CPU3
[ 0.001956] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU3: 0x0000000000000000
[ 0.001966] GICv3: CPU3: found redistributor 3 region 0:0x0000000001960000
[ 0.001976] CPU3: Booted secondary processor 0x0000000003 [0x410fd083]
[ 0.002153] Detected PIPT I-cache on CPU4
[ 0.002157] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU4: 0x0000000000000000
[ 0.002169] GICv3: CPU4: found redistributor 100 region 0:0x0000000001980000
[ 0.002183] CPU4: Booted secondary processor 0x0000000100 [0x410fd083]
[ 0.002362] Detected PIPT I-cache on CPU5
[ 0.002366] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU5: 0x0000000000000000
[ 0.002374] GICv3: CPU5: found redistributor 101 region 0:0x00000000019a0000
[ 0.002384] CPU5: Booted secondary processor 0x0000000101 [0x410fd083]
[ 0.002545] Detected PIPT I-cache on CPU6
[ 0.002548] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU6: 0x0000000000000000
[ 0.002557] GICv3: CPU6: found redistributor 102 region 0:0x00000000019c0000
[ 0.002566] CPU6: Booted secondary processor 0x0000000102 [0x410fd083]

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[ 0.002727] Detected PIPT I-cache on CPU7
[ 0.002730] CPU features: SANITY CHECK: Unexpected variation in SYS_CNTFRQ_EL0. Boot CPU: 0x00000002faf080, CPU7: 0x00000000000000
[ 0.002739] GICv3: CPU7: found redistributor 103 region 0:0x00000000019e0000
[ 0.002749] CPU7: Booted secondary processor 0x0000000103 [0x410fd083]
[ 0.002781] smp: Brought up 1 node, 8 CPUs
[ 0.002810] SMP: Total of 8 processors activated.
[ 0.002814] CPU features: detected: 32-bit EL0 Support
[ 0.002818] CPU features: detected: CRC32 instructions
[ 0.002850] CPU: All CPU started at EL1
[ 0.002866] alternatives: patching kernel code
[ 0.004273] devtmpfs: initialized
[ 0.006047] Registered cp15_barrier emulation handler
[ 0.006055] Registered setend emulation handler
[ 0.006060] KASLR disabled due to lack of seed
[ 0.006131] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 1911260446275000 ns
[ 0.006137] futex hash table entries: 2048 (order: 5, 131072 bytes, linear)
[ 0.007516] pinctrl core: initialized pinctrl subsystem

[ 0.007592] *****
[ 0.007594] * NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE
[ 0.007597] *
[ 0.007599] * IOMMU DebugFS SUPPORT HAS BEEN ENABLED IN THIS KERNEL *
[ 0.007601] *
[ 0.007603] * This means that this kernel is built to expose internal *
[ 0.007605] * IOMMU data structures, which may compromise security on *
[ 0.007608] * your system.
[ 0.007610] *
[ 0.007612] * If you see this message and you are not debugging the *
[ 0.007614] * kernel, report this immediately to your vendor! *
[ 0.007616] *
[ 0.007618] * NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE *
[ 0.007621] *****
[ 0.007864] NET: Registered protocol family 16
[ 0.011967] DMA: preallocated 32768 KiB GFP_KERNEL pool for atomic allocations
[ 0.015783] DMA: preallocated 32768 KiB GFP_KERNEL|GFP_DMA pool for atomic allocations
[ 0.019587] DMA: preallocated 32768 KiB GFP_KERNEL|GFP_DMA32 pool for atomic allocations
[ 0.019838] cpuidle: using governor menu
[ 0.019896] hw-breakpoint: found 6 breakpoint and 4 watchpoint registers.
[ 0.019965] ASID allocator initialised with 65536 entries
[ 0.026897] HugeTLB registered 1.00 GiB page size, pre-allocated 0 pages
[ 0.026902] HugeTLB registered 32.0 MiB page size, pre-allocated 0 pages
[ 0.026905] HugeTLB registered 2.00 MiB page size, pre-allocated 0 pages
[ 0.026908] HugeTLB registered 64.0 KiB page size, pre-allocated 0 pages
[ 0.028071] iommu: Default domain type: Translated
[ 0.028117] arm-v7s io-pgtable: self test ok
[ 0.028121] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x40201000, IAS 32
[ 0.028151] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x40201000, IAS 36
[ 0.028173] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x40201000, IAS 40
[ 0.028203] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x40201000, IAS 42
[ 0.028242] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x40201000, IAS 44
[ 0.028267] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x40201000, IAS 48
[ 0.028294] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x02004000, IAS 32
[ 0.028321] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x02004000, IAS 36
[ 0.028362] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x02004000, IAS 40
[ 0.028401] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x02004000, IAS 42
[ 0.028446] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x02004000, IAS 44
[ 0.028486] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x02004000, IAS 48
[ 0.028550] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x20010000, IAS 32
[ 0.028644] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x20010000, IAS 36
[ 0.028727] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x20010000, IAS 40
[ 0.028821] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x20010000, IAS 42
[ 0.028965] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x20010000, IAS 44
[ 0.029095] arm-lpae io-pgtable: selftest: pgsz_bitmap 0x20010000, IAS 48
[ 0.029226] arm-lpae io-pgtable: selftest: completed with 18 PASS 0 FAIL
[ 0.029287] vgaarb: loaded
[ 0.029381] SCSI subsystem initialized
[ 0.029449] usbcore: registered new interface driver usbfs
[ 0.029463] usbcore: registered new interface driver hub
[ 0.029477] usbcore: registered new device driver usb
[ 0.029633] jesd204: found 0 devices and 0 topologies
[ 0.029639] pps_core: LinuxPPS API ver. 1 registered
[ 0.029643] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@linux.it>
[ 0.029648] PTP clock support registered
[ 0.029962] clocksource: Switched to clocksource arch_sys_counter
[ 0.030075] FS-Cache: Loaded

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[ 0.030166] CacheFiles: Loaded
[ 0.032176] NET: Registered protocol family 2
[ 0.032630] IP idents hash table entries: 262144 (order: 9, 2097152 bytes, linear)
[ 0.036133] tcp_listen_portaddr_hash hash table entries: 8192 (order: 5, 131072 bytes, linear)
[ 0.036171] TCP established hash table entries: 131072 (order: 8, 1048576 bytes, linear)
[ 0.036434] TCP bind hash table entries: 65536 (order: 8, 1048576 bytes, linear)
[ 0.036924] TCP: Hash tables configured (established 131072 bind 65536)
[ 0.037010] UDP hash table entries: 8192 (order: 6, 262144 bytes, linear)
[ 0.037063] UDP-Lite hash table entries: 8192 (order: 6, 262144 bytes, linear)
[ 0.037172] NET: Registered protocol family 1
[ 0.037184] PCI: CLS 0 bytes, default 64
[ 0.037263] Trying to unpack rootfs image as initramfs...
[ 0.037378] rootfs image is not initramfs (no cpio magic); looks like an initrd
[ 0.146145] Freeing initrd memory: 146992K
[ 0.146680] Initialise system trusted keyrings
[ 0.146737] workingset: timestamp_bits=62 max_order=22 bucket_order=0
[ 0.148523] fuse: init (API version 7.32)
[ 0.148600] 9p: Installing v9fs 9p2000 file system support
[ 0.148624] FS-Cache: Netfs '9p' registered for caching
[ 0.170485] Key type asymmetric registered
[ 0.170489] Asymmetric key parser 'x509' registered
[ 0.170503] Block layer SCSI generic (bsg) driver version 0.4 loaded (major 248)
[ 0.170507] io scheduler mq-deadline registered
[ 0.170510] io scheduler kyber registered
[ 0.170758] pinctrl-ucp2 pinctrl@04458000: ucp2 pintrl probe ok!
[ 0.170831] gpio-dwapb 4450000.gpio: no IRQ for port0
[ 0.171369] gpio-dwapb 4d10000.gpio: no IRQ for port0
[ 0.172015] dw_axi_dmac_platform 4540000.dma-controller: DesignWare AXI DMA Controller, 8 channels
[ 0.172056] dw_axi_dmac_platform: probe of 4d38000.dma-controller failed with error -2
[ 0.172168] Serial: 8250/16550 driver, 32 ports, IRQ sharing enabled
[ 0.173749] printk: console [ttyS0] disabled
[ 0.173773] 4440000.serial: ttyS0 at MMIO 0x4440000 (irq = 13, base_baud = 3125000) is a 16550A
[ 1.349794] printk: console [ttyS0] enabled
[ 1.354208] 4d00000.serial: ttyS2 at MMIO 0x4d00000 (irq = 14, base_baud = 3125000) is a 16550A
[ 1.363313] arm-smmu 42b8000.iommu: probing hardware configuration...
[ 1.369727] arm-smmu 42b8000.iommu: SMMUv2 with:
[ 1.374323] arm-smmu 42b8000.iommu: stage 1 translation
[ 1.379608] arm-smmu 42b8000.iommu: stage 2 translation
[ 1.384893] arm-smmu 42b8000.iommu: nested translation
[ 1.390092] arm-smmu 42b8000.iommu: non-coherent table walk
[ 1.395722] arm-smmu 42b8000.iommu: (IDR0.CTTW overridden by FW configuration)
[ 1.402996] arm-smmu 42b8000.iommu: stream matching with 32 register groups
[ 1.410010] arm-smmu 42b8000.iommu: 32 context banks (0 stage-2 only)
[ 1.416506] arm-smmu 42b8000.iommu: Supported page sizes: 0x61311000
[ 1.422915] arm-smmu 42b8000.iommu: Stage-1: 48-bit VA -> 48-bit IPA
[ 1.429327] arm-smmu 42b8000.iommu: Stage-2: 48-bit IPA -> 48-bit PA
[ 1.436824] brd: module loaded
[ 1.441522] loop: module loaded
[ 1.445415] phc@0 enforce active low on chipselect handle
[ 1.451401] tun: Universal TUN/TAP device driver, 1.6
[ 1.456703] VFIO - User Level meta-driver version: 0.3
[ 1.462168] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 1.468669] ehci-pci: EHCI PCI platform driver
[ 1.473101] ehci-platform: EHCI generic platform driver
[ 1.478341] ohci_hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
[ 1.484493] ohci-pci: OHCI PCI platform driver
[ 1.488922] ohci-platform: OHCI generic platform driver
[ 1.494158] uhci_hcd: USB Universal Host Controller Interface driver
[ 1.500516] usbcore: registered new interface driver usb-storage
[ 1.506503] i2c /dev entries driver
[ 1.510044] uvp4008-pvt 4708000.pvt: ucp4008 pvt probe enter
[ 1.515694] uvp4008-pvt 4708000.pvt: ucp4008 pvt interrupt number is 20
[ 1.522308] uvp4008-pvt 4708000.pvt: init ucp4008 pvt success
[ 1.528067] uvp4008-pvt 4708000.pvt: ucp4008 pvt probe leave
[ 1.533809] dw_wdt 4400000.watchdog: No valid TOPs array specified
[ 1.540076] dw_wdt 4408000.watchdog: No valid TOPs array specified
[ 1.546595] sdhci: Secure Digital Host Controller Interface driver
[ 1.552748] sdhci: Copyright(c) Pierre Ossman
[ 1.557082] Synopsys Designware Multimedia Card Interface Driver
[ 1.563133] sdhci-pltfm: SDHCI platform and OF driver helper
[ 1.563228] dw_mmc_smartlogic 1a60000.mmc: sdvol-gpios parsed OK
[ 1.568808] pinctrl-ucp2 pinctrl@04458000: pin PD5 already requested by 4438000.spi; cannot claim for leds
[ 1.575028] dw_mmc_smartlogic 1a60000.mmc: sdmmc tuning clock 500000000Hz
[ 1.584608] pinctrl-ucp2 pinctrl@04458000: pin-50 (leds) status -22
[ 1.584612] pinctrl-ucp2 pinctrl@04458000: could not request pin 50 (PD5) from group PD5 on device pinctrl-ucp2

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[ 1.591636] dw_mmc_smartlogic 1a60000.mmcscd: sdmmc bus clock 125000000Hz
[ 1.597858] leds-gpio leds: Error applying setting, reverse things back
[ 1.608034] dw_mmc_smartlogic 1a60000.mmcscd: IDMAC supports 32-bit address mode.
[ 1.614649] leds-gpio: probe of leds failed with error -22
[ 1.621239] dw_mmc_smartlogic 1a60000.mmcscd: Using internal DMA controller.
[ 1.628607] hid: raw HID events driver (C) Jiri Kosina
[ 1.634042] dw_mmc_smartlogic 1a60000.mmcscd: Version ID is 250a
[ 1.640995] usbcore: registered new interface driver usbhid
[ 1.646091] dw_mmc_smartlogic 1a60000.mmcscd: DW MMC controller at irq 36,32 bit host data width,512 deep fifo
[ 1.651968] usbhid: USB HID core driver
[ 1.657563] mmc_host mmc0: card is non-removable.
[ 1.667983] ipt_CLUSTERIP: ClusterIP Version 0.8 loaded successfully
[ 1.671228] dw_mmc_smartlogic 1a60000.mmcscd: emmc not support switch to 3v
[ 1.675872] Initializing XFRM netlink socket
[ 1.682195] dw_mmc_smartlogic 1a60000.mmcscd: sdmmc card switch to 1.8v
[ 1.689125] NET: Registered protocol family 17
[ 1.704394] sctp: Hash tables configured (bind 256/256)
[ 1.705871] mmc_host mmc0: zyrtr_test: Bus speed (slot 0) = 125000000Hz (slot req 400000Hz, actual 398089HZ div = 157)
[ 1.709685] 9pnet: Installing 9P2000 support
[ 1.724526] Loading compiled-in X.509 certificates
[ 1.733275] at24 0-0056: 131072 byte 24c1024 EEPROM, writable, 1 bytes/write
[ 1.740686] pca954x 1-0070: probe failed
[ 1.744744] printk: console [netcon0] enabled
[ 1.749084] netconsole: network logging started
[ 1.753779] dw-apb-uart 4440000.serial: forbid DMA for kernel console
[ 1.760256] RAMDISK: gzip image found at block 0
[ 1.814885] dw_mmc_smartlogic 1a60000.mmcscd: sdmmc card switch to 1.8v
[ 1.824110] mmc_host mmc0: zyrtr_test: Bus speed (slot 0) = 125000000Hz (slot req 52000000Hz, actual 31250000HZ div = 2)
[ 1.834853] mmc_host mmc0: zyrtr_test: Bus speed (slot 0) = 125000000Hz (slot req 70000000Hz, actual 62500000HZ div = 1)
[ 1.846032] dw_mmc_smartlogic 1a60000.mmcscd: config sdmmc tuning rxdly 8
[ 1.852999] mmc0: new HS200 MMC card at address 0001
[ 1.858188] mmcblk0: mmc0:0001 S0J59X 119 GiB
[ 1.862755] mmcblk0boot0: mmc0:0001 S0J59X partition 1 31.5 MiB
[ 1.868787] mmcblk0boot1: mmc0:0001 S0J59X partition 2 31.5 MiB
[ 1.874738] mmcblk0rpbm: mmc0:0001 S0J59X partition 3 4.00 MiB, chardev (245:0)
[ 1.884087] mmcblk0: p1 p2 p3 p4 < p5 p6 p7 p8 >
[ 6.766491] EXT4-fs (ram0): mounted filesystem with ordered data mode. Opts: (null)
[ 6.774134] VFS: Mounted root (ext4 filesystem) on device 1:0.
[ 6.780124] devtmpfs: mounted
[ 6.783445] Freeing unused kernel memory: 1792K
[ 6.792071] Run /sbin/init as init process
[ 6.796151]   with arguments:
[ 6.796154]   /sbin/init
[ 6.796156]   with environment:
[ 6.796158]   HOME=/
[ 6.796159]   TERM=linux
[ 6.815966] systemd+: System time before build time, advancing cloc
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## 文件

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