

3.0基站产品测试 - 错误 #4684

3.0整机在外场出现ping的通基站ip，但ssh无法登录问题，实验室已复现。

2026-01-04 10:05 - 程 鹏

状态:	新建	开始日期:	2026-01-04
优先级:	高	计划完成日期:	2026-02-28
指派给:	战 弋戈	% 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, 系统	目标解决问题版本:	Rel_3.1.5
发现问题版本:	Rel_3.1.3Pre1		
描述			
3.0整机在外场出现ping的通基站ip，但ssh无法登录问题，实验室已复现。			

历史记录

#1 - 2026-01-04 10:57 - 战 弋戈

从现象上看，这时表现为emmc卡住，既不能读也不能写。
用iostat监控着，发现iowait 一直在20%左右。

硬件同事打算出现问题后，量一下电压。

#2 - 2026-01-04 15:03 - 战 弋戈

长时间运行后，emmc会发生如下错误：

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[ 27.718372] dwc-eth-dwmac 1a40000.ethernet0 eth0: registered PTP clock
[ 27.728174] dwc-eth-dwmac 1a40000.ethernet0 eth0: configuring for phy/rgmii link mode
[ 27.869214] dwc-eth-dwmac 1a40000.ethernet0 eth0: PHY [stmmac-0:00] driver [Marvell 88E1510] (irq=POLL)
[ 27.888104] dwmac4: Master AXI performs any burst length
[ 27.893398] dwc-eth-dwmac 1a40000.ethernet0 eth0: No Safety Features support found
[ 27.900938] dwc-eth-dwmac 1a40000.ethernet0 eth0: No MAC Management Counters available
[ 27.908821] dwc-eth-dwmac 1a40000.ethernet0 eth0: IEEE 1588-2008 Advanced Timestamp supported
[ 27.918360] dwc-eth-dwmac 1a40000.ethernet0 eth0: registered PTP clock
[ 27.924870] dwc-eth-dwmac 1a40000.ethernet0 eth0: configuring for phy/rgmii link mode
[ 28.029442] dw-apb-uart 4d00000.serial: failed to request DMA
[ 30.223108] dwc-eth-dwmac 9090000.ethernet3: PET pma3 lane0 receiver adapt req ack[15:8]:a7 limit:45
[ 30.232288] dwc-eth-dwmac 9090000.ethernet3: PMA rx valid ok
[ 30.237927] dwc-eth-dwmac 9090000.ethernet3: PMA training ok
[ 31.391110] dwc-eth-dwmac 9090000.ethernet3: PCS state ok
[ 31.396503] dwc-eth-dwmac 9090000.ethernet3 eth2: Link is Up - 10Gbps/Full - flow control off
[ 2449.449116] dw_mmc_smartlogic 1a60000.mmcsd: Card stuck in wrong state! card_busy_detect status: 0xe00
[ 2449.958411] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2450.465608] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2450.974094] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2451.763109] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2452.271510] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2453.059142] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2453.572618] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2454.363111] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2454.871585] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2455.659167] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2456.167602] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2456.955108] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2457.463544] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2458.251109] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2458.764404] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2459.555110] mmc_host mmc0: Timeout sending command (cmd 0x200000 arg 0x0 status 0x80200000)
[ 2460.063564] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2460.351149] dw_mmc_smartlogic 1a60000.mmcsd: no tuning point found
[ 2460.357395] mmc0: tuning execution failed: -5
[ 2460.362342] mmc0: cache flush error -110
[ 2460.866263] dw_mmc_smartlogic 1a60000.mmcsd: Busy; trying anyway
[ 2461.372248] mmc_host mmc0: Timeout sending command (cmd 0x202000 arg 0x0 status 0x80202000)
[ 2461.383762] dw_mmc_smartlogic 1a60000.mmcsd: emmc not support switch to 3v
[ 2461.390710] dw_mmc_smartlogic 1a60000.mmcsd: sdmmc card switch to 1.8v
[ 2461.409112] mmc_host mmc0: Bus speed (slot 0) = 125000000Hz (slot req 400000Hz, actual 398089HZ div = 157)
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[2462.638104] mmc0: tried to HW reset card, got error -110
[2462.643396] mmcblk0: recovery failed!
[2462.647165] blk_update_request: I/O error, dev mmcblk0, sector 180627440 op 0x1:(WRITE) flags 0x800 phys_seg 4 prio class 0
[2462.658266] Aborting journal on device mmcblk0p7-8.
[2462.674615] dw_mmc_smartlogic 1a60000.mmcsd: error -110 requesting status
[2462.681373] mmcblk0: recovery failed!
[2462.685497] blk_update_request: I/O error, dev mmcblk0, sector 121634888 op 0x1:(WRITE) flags 0x103000 phys_seg 1 prio class 0
[2462.696841] Buffer I/O error on dev mmcblk0p7, logical block 1, lost async page write
[2462.715941] dw_mmc_smartlogic 1a60000.mmcsd: error -110 requesting status
[2462.722698] mmcblk0: recovery failed!
[2462.726742] blk_update_request: I/O error, dev mmcblk0, sector 121634944 op 0x1:(WRITE) flags 0x103000 phys_seg 1 prio class 0
[2462.738088] Buffer I/O error on dev mmcblk0p7, logical block 8, lost async page write
[2462.757173] dw_mmc_smartlogic 1a60000.mmcsd: error -110 requesting status
[2462.763930] mmcblk0: recovery failed!
[2462.767966] blk_update_request: I/O error, dev mmcblk0, sector 125829304 op 0x1:(WRITE) flags 0x103000 phys_seg 1 prio class 0
[2462.779311] Buffer I/O error on dev mmcblk0p7, logical block 524303, lost async page write
[2462.798822] dw_mmc_smartlogic 1a60000.mmcsd: error -110 requesting status
[2462.805584] mmcblk0: recovery failed!
[2462.810033] blk_update_request: I/O error, dev mmcblk0, sector 230951320 op 0x1:(WRITE) flags 0x103000 phys_seg 1 prio class 0
[2462.821376] Buffer I/O error on dev mmcblk0p7, logical block 13664555, lost async page write
[2462.841525] dw_mmc_smartlogic 1a60000.mmcsd: error -110 requesting status
[2462.848288] mmcblk0: recovery failed!

#3 - 2026-01-07 10:34 - 战 弋戈

在测试中，出现了uboot加载image文件后，出现crc错误的问题，导致不能启动。在硬件并入了电源的电容后顺利启动。