

Status:	CLOSED	Start date:	2023-06-25
Priority:	High	Due date:	
Assignee:	移动测试一组_CDTS 刘强	% Done:	0%
Category:	BSP	Estimated time:	0.00 hour
Target version:			
Need_Info:	--	Found Version:	0112
Resolution:	FIXED	Degrated:	--
Severity:	Major	Verified Version:	
Reproducibility:	Every time	Fixed Version:	
Test Type:	ST	Root cause:	错过了mcu的linkup消息导致无法初始化phy
Description			
前置条件			
None			
操作步骤：			
1.设备烧写0112 user版本			
2.与中控正常连接			
3.副屏通过稳压电源-触发过压保护关机			
4.恢复正常电压开机			
预期结果：			
设备正常启动			
实际结果：			
副屏与中控eth连接断开			

History

#1 - 2023-06-25 16:08 - 移动测试一组_CDTS 刘强

补充信息：重新断电-上电后恢复正常

补充信息：触发欠压保护后，恢复正常电压上电-不复现问题

补充信息：目前该问题必现

#2 - 2023-06-25 16:16 - 移动测试一组_CDTS 刘强

补充信息：

过压之后等几秒电流降下去关机后再回复正常开机就不会复现，如果过压后马上回复正常就会复现

低压的话，过几秒和马上回复都不会出现

#3 - 2023-06-25 16:21 - CD TPM-王祥林

- Assignee changed from CD TPM-王祥林 to CD_BSP 彭文亮

#4 - 2023-06-28 14:48 - CD_BSP 彭文亮

结论： 应该是mcu发送的iop_link现象过早，或者是由于操作上引起了内核的启动延迟。phy芯片的初始化 发生在了 phy状态准备好之前。正常的顺序应

该是，phy状态准备好->phy芯片的初始化。@王祥林

01-01 08:00:09.266 0 0 I : [6.324645] mv2112_setup_forced

01-01 08:00:09.368 0 0 E [6.421155] mv2112_read_status: autoneg not complete;time=6420 ms

01-01 08:00:09.822 0 0 E [6.880107] link_delay_work_func: DTC_ETH: SQI=0, link=0

...

06-25 15:56:24.817 0 0 E [2290.400219] link_delay_work_func: DTC_ETH: SQI=0, link=0

#5 - 2023-06-29 15:39 - CD_BSP 彭文亮

正在看能否通过修改phy link的逻辑，来规避此问题。

#6 - 2023-06-30 16:18 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
210928	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-dev	wenliang.peng@thundersoft.com
BSP:Ethernet: Optimized the initialization time of phy.Added 2 variables physisready and physisnoinit.Add a check of the physisready variable before the initialization of the phy.TC-RID: 0301-0400601IssueID: TS-R-DF-118891Change-Id: Ic574dd1ea33ac8f2a1f44c2d1a7bf3b92cb5f9ae			

#7 - 2023-06-30 16:51 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
211573	general/kernel/msm-4.19	Pre_figure_turbox-c2130c-la1.1-vendor-release_sorp	wangxl0510@thundersoft.com
BSP:Ethernet: Optimized the initialization time of phy.Added 2 variables physisready and physisnoinit.Add a check of the physisready variable before the initialization of the phy.TC-RID: 0301-0400601IssueID: TS-R-DF-118891Change-Id: Ic574dd1ea33ac8f2a1f44c2d1a7bf3b92cb5f9ae(cherry picked from commit 00a6fcb7889b9c2caea6b80c1a3298d1665764b8)			

#8 - 2023-07-05 19:17 - CD_BSP 彭文亮

- Assignee changed from CD_BSP 彭文亮 to 移动测试一组_CDTS 刘强

请复测，有线网络是否可以延迟连接上了。

#9 - 2023-07-06 16:25 - 移动测试一组_CDTS 刘强

- Assignee changed from 移动测试一组_CDTS 刘强 to CD_BSP 彭文亮

麻烦走下状态

- #10 - 2023-08-03 18:12 - CD TPM-王祥林
- Status changed from New to RESOLVED
 - Resolution changed from -- to FIXED
 - Root cause set to 错过了mcu的linkup消息导致无法初始化phy
- #11 - 2023-08-03 18:13 - CD TPM-王祥林
- Assignee changed from CD_BSP 彭文亮 to 移动测试一组_CDTS 刘强

- #12 - 2023-08-24 17:14 - CDTS_TEST 王成
- Status changed from RESOLVED to VERIFIED

- #13 - 2023-08-24 17:14 - CDTS_TEST 王成
- Status changed from VERIFIED to CLOSED

Files			
tlog_iov0201017500006162025411a2305070000003671_000076_0625153824.tar.gz	2.29 MB	2023-06-25	移动测试一组_CDTS 刘强
1.txt	3.42 MB	2023-06-25	移动测试一组_CDTS 刘强