

Figure - Bug #115366

测试 Test-ST # 113421 (New): V4.0功能与专项测试

【BSP】【EVT2】【ST】【DTC】DTC诊断error日志，关键词需以DTC_XXX显示

2023-01-16 18:54 - 移动测试一组_CDTs 刘强

Status:	CLOSED	Start date:	2023-01-16
Priority:	Normal	Due date:	2023-02-22
Assignee:	移动测试一组_CDTs 刘强	% Done:	80%
Category:	CD-FW	Estimated time:	0.00 hour
Target version:	VC1_FSE_0090_20230411	Found Version:	FlatBuild_HH_VX1_MCE_FSE.M.D.userdebug.01.00.0
Need_Info:	--	Degraded:	--
Resolution:	FIXED	Verified Version:	
Severity:	Normal	Fixed Version:	
Reproducibility:	Every time	Root cause:	新增需求，之前未集成DTC诊断日志。
Test Type:	ST		

Description

【前提条件】
使用稳压电源进线供电

【测试步骤】
1. 烧写正常版本后开机
2. 根据附件截图验证DTC异常情况，并查看error日志诊断情况
3. 所有DTC诊断关键词以：DTC_XXX显示

【预期结果】
3 DTC诊断error日志，关键词需以DTC_XXX显示

【实际结果】
3 实际诊断日志多种多样

如：
MCU电压
λ adb logcat | grep 'ProtectUartService' 低压
01-15 01:58:12.357 2462 2514 D ProtectUartService: received RegisterListener token:LAUNCHER_VOLTAGE_PROTECT
01-15 01:58:14.776 2462 2570 D ProtectUartService: send mpu boot completed res=0
01-15 02:08:24.854 2462 2575 D ProtectUartService: received high voltage warning
01-15 02:08:24.916 2462 2570 D ProtectUartService: send finish high voltage protect res=0

eth：
01-01 10:07:09.045 0 0 E DTC_eth,link_delay_work_func: 3002, SQI=0, link=0

Display/Touch
01-01 10:03:50.718 0 0 E atmel_mxt_ts 0-004a: Failed to read T44/T144 and T5 (-107)
01-01 10:03:50.730 0 0 E atmel_mxt_ts 0-004a: __mxt_read_reg: i2c transfer failed (-107)

History

#1 - 2023-01-17 11:01 - CD TPM-王祥林

- Due date set to 2023-01-19

#2 - 2023-01-18 13:45 - IoT scm

Gerrit Merge Information：

ID	Project	Branch	Uploader
177460	general/platform/vendor/thundercom/apps/MircoService	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tianying.cheng@thundersoft.com
AF:MicroService:Add DTC_ETH LogTC-RID: 1201-0206101IssueID: TS-R-BUG-115366Change-Id: I26de96f1ba9e68634e6a2ae06dae2f77e520d4			

#3 - 2023-01-18 13:45 - IoT scm

Gerrit Merge Information :

ID	Project	Branch	Uploader
177467	general/platform/vendor/thundercom/apps/RemoteControlServer	Pre_figure_turbox-c2130c-la1.1-qssi12-dev	tianying.cheng@thundersoft.com
AF:RemoteControl: Service - Add DTC_ETH LogTC-RID: 1201-0206001IssueID: TS-R-BUG-115366Change-Id: I1c8519b16abec9bc107f281ac5afa8ccbe6fd83f			

#4 - 2023-01-18 14:24 - CD TPM-王祥林

模块	任务票	状态
Display	https://share.thundersoft.com/redmine/issues/114628	完成
MCU	https://share.thundersoft.com/redmine/issues/115369	完成
FAN	https://share.thundersoft.com/redmine/issues/115243	完成
ETH	https://share.thundersoft.com/redmine/issues/115371 https://share.thundersoft.com/redmine/issues/115370 https://share.thundersoft.com/redmine/issues/113216	完成
WIFI	https://share.thundersoft.com/redmine/issues/115373	完成
BT	https://share.thundersoft.com/redmine/issues/115372	完成

#5 - 2023-01-18 14:25 - CD TPM-王祥林

- Status changed from New to ASSIGNED
- % Done changed from 0 to 60

#6 - 2023-01-31 11:39 - CD TPM-王祥林

- Due date changed from 2023-01-19 to 2023-02-07

#7 - 2023-02-08 16:05 - CD TPM-王祥林

- Due date changed from 2023-02-07 to 2023-02-22
- % Done changed from 60 to 80

除开LCD依赖屏幕厂商以外，其他的已经完成。

#8 - 2023-02-17 10:37 - CD TPM-王祥林
- Target version set to VC1_FSE_0082_20230314

#9 - 2023-02-28 14:18 - CD TPM-王祥林
- Status changed from ASSIGNED to RESOLVED
- Assignee changed from CD TPM- 王祥林 to 移动测试一组_CDTs 刘强
- Resolution changed from -- to FIXED
- Root cause set to 新增需求，之前未集成DTC诊断日志。

#10 - 2023-02-28 14:19 - CD TPM-王祥林

刘强

请在3.1或者之后的版本验证。

#11 - 2023-03-07 11:14 - 移动测试一组_CDTs 刘强
- Assignee changed from 移动测试一组_CDTs 刘强 to SZTS_TEST 邹涛

麻烦帮忙验证下

#12 - 2023-03-07 11:18 - 移动测试一组_CDTs 刘强
- Assignee changed from SZTS_TEST 邹涛 to 移动测试一组_CDTs 刘强

#13 - 2023-03-23 14:29 - CDTs_TEST 王成
- Target version changed from VC1_FSE_0082_20230314 to VC1_FSE_0086_20230328

#14 - 2023-03-23 18:32 - 移动测试一组_CDTs 刘强
- File DTC测试结果.jpg added

Hi all
测试结果如下所示

诊断模块	诊断类型	诊断方式	诊断结论	测试结果	输出日志	测试版本	备注
Display + TP	接插件中断，接插件保护	驱动加错误日志	屏幕TP线缆连接异常 1. LCD温度 2. 电压 3. 当前状态	OK	E DTC Display: Data cable disconnect, GMSL Link Failed 0 E DTC TP : Data cable disconnect, GMSL Link Faaille	01.00.0084.C101(X101)	
A2B			副屏无法诊断，需要中控诊断	NA			由中控诊断，副屏无法诊断
MCU	过压、欠压	上层服务加错误日志	电源电压异常	OK	01-31 02:20:44.608 2828 2992 D ProtectUartService: DTC_MCU: received voltage warning	01.00.0084.C101(X101)	
Fan	转速检测	对比设定值和实际反馈值	风扇故障	OK	01-01 08:55:00.251 0 0 E thermal_cooling_device4: DTC_Fan: ERROR, avg(0) out of range(2520, 4200) at stat(2)	01.00.0084.C101(X101)	
ETH	以太网信号质量	调用BSP层接口获取数值	1. 是否连接 2. 信号质量异常	OK	01-01 08:01:39.212 0 0 E DTC_ETH,link_delay_work_func: 3003, SQI=0, link=0	FlatBuild_HH_VX1_MCE_FSE.M.D.user.01.00.X101.202302100501	
	以太网CRC错误校验	上层校验并保存下来	CRC错误				无法模拟测试
	UDP端口不可达	应用判断UDP传输能否成功并保存与重新状态	UDP端口不可达				无法模拟测试
	TCP链接失败	应用服务判断TCP连接并保存与更新状态	TCP连接断开				无法模拟测试
WIFI	驱动加载异常	驱动列表中是否存在wlan或者判断接口正常创建	WiFi芯片异常或与Host (AP)连接异常	OK	01-15 02:00:15.248 960 1320 E WifiNative: DTC_WIFI: Failed to start vendor HAL	01.00.0084.C101(X101)	
BT	驱动加载异常	驱动中通过日志判断BT是否打开失败	BT芯片异常或与Host (AP)连接异常	OK	11-04 17:55:45.354 4394 4443 E bt_hci : DTC_BT: initializationComplete: HCI Init failed	01.00.0084.C101(X101)	

#15 - 2023-03-28 18:39 - 移动测试一组_CDTS 刘强

等FAN 新修改合入后再次验证

#16 - 2023-04-04 16:50 - CDTS_TEST 王成
- Target version changed from VC1_FSE_0086_20230328 to VC1_FSE_0090_20230411

#17 - 2023-04-12 14:23 - 移动测试一组_CDTS 刘强
- Status changed from RESOLVED to VERIFIED

FAN修改后，DTC显示正常，因此目前已知DTC日志显示正常，关闭此issue

#18 - 2023-04-12 14:23 - 移动测试一组_CDTS 刘强
- Status changed from VERIFIED to CLOSED

Files			
DTC.png	178 KB	2023-01-16	移动测试一组_CDTS 刘强
DTC测试结果.jpg	230 KB	2023-03-23	移动测试一组_CDTS 刘强