



16.06 Consumer RPB

Debian

Test Report

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Configuration

Item	Explanation
Kernel	4.4.0-135-arm64
Debian version	Debian GNU/Linux 8.5 (jessie) build 120
Toolchain version	gcc version 4.9.2 (Debian/Linaro 4.9.2-10)
UEFI	UEFI Build 106

Glossary

Pass
Skip
Fails

Manual Test Results

LeMaker HiKey

Test Run	Result	Comments
Boot with eMMC	PASS	
Bluetooth- Scanning	PASS	
Bluetooth- Pairing	PASS	
Bluetooth- Audio Streaming	FAIL	Bug 376
Bluetooth- File transfer	PASS	
Serial Console	PASS	
HDMI- Display Blanking	PASS	
HDMI- Hotplug	PASS	
HDMI- Audio	FAIL	Bug 376
HDMI- Coldboot	PASS	
HDMI- Source switching	SKIP	
HDMI - Video Output	PASS	
HDMI- Monitor Resolution - cmd	FAIL	Bug_379
HDMI- Monitor Resolution - UI	FAIL	Bug_379
USB	FAIL	Bug 20
USB- HID	PASS	
USB- Mass storage device	PASS	
USB- Ethernet	PASS	
WiFi- Scanning	PASS	
WiFi- Profiles	PASS	Checked only with WPA2
WiFi- Downloading	PASS	
SD-HC	PASS	

SD read speed (ext2)	PASS	22.4 MB/s
SD write speed (ext2)	PASS	5 MB/s
SD read speed (FAT32)	PASS	22.4 MB/s
SD write speed (FAT32)	PASS	5.4 MB/s
Shutdown - Command Line	FAIL	Bug_386
Shutdown - UI	FAIL	Bug_386 bug_356
Re-Boot	PASS	
RTC- Real Time Clock - LTP	PASS	
Power Button	FAIL	Bug_164
Status LED	PASS	
User LED	PASS	
Benchmark - ES2 Gears	PASS	42.091 FPS
Benchmark - GLX Gears	PASS	107.771 FPS
Benchmark - Tuxracer	PASS	0.8 FPS
KVM (ARM32 guest)	PASS	
KVM (ARM64 guest)	PASS	
Stress-ng	FAIL	Bug_317

Dragonboard db410c

Test Run	Result	Comments
Boot	PASS	
Bluetooth- Scanning	FAIL	Bug_207
Bluetooth- Pairing	SKIP	Bug_207
Bluetooth- Audio Streaming	SKIP	Bug_207
Bluetooth- File transfer	SKIP	Bug_207
Benchmark - Glxgears	PASS	952 FPS

Benchmark - Tuxracer	PASS	20.5 FPS
Serial Console Output	PASS	
HDMI- Display Blanking	FAIL	Bug 284
HDMI- Hotplug	PASS	
HDMI- Display	PASS	
HDMI- Audio	PASS	
HDMI- Coldboot	PASS	
HDMI- Monitor Resolution - cmd	PASS	
HDMI- Monitor Resolution - UI	PASS	
Re-boot UI	PASS	
Re-boot Command line	PASS	
SD-HC	PASS	
SD read speed (ext2)	PASS	22.5 MB/s
SD write speed (ext2)	PASS	21.8 MB/s
SD read speed (FAT32)	PASS	22.4 MB/s
SD write speed (FAT32)	PASS	18.0 MB/s
USB	FAIL	Bug 289
USB- HID	PASS	
USB- Mass storage device	PASS	
USB- Ethernet	PASS	
USB-Camera	PASS	
Shutdown - UI	FAIL	Bug_121
Shutdown - Command line	FAIL	Bug_121
WiFi- Scanning	PASS	
WiFi - Small file download	PASS	
WiFi - Large file download	PASS	
LED	FAIL	Bug 408

Button	PASS	
Real Time clock	PASS	
6h stress-ng	PASS	
6h stress_oom	PASS	oom-killer activated 4717 times
6h stress_network	FAIL	Bug 272

Open Bugs

Bug Description	Bug-id	Status
[RPB] Bluetooth does not work on Dragon board debian	Bug 207	CONF
[RPB] Can not soft power off or shutdown db410c	Bug_121	CONF
[RPB] Dragon board Display sleep not working	Bug 284	CONF
[RPB] USB devices don't work after reboot	Bug 289	CONF
[RPB] db410c WiFi LED not working	Bug 408	NEW
periodic 10-15sec wifi connectivity loss	Bug 272	IN_PROGRESS
[RPB] 16.06: Hikey: HDMI Audio playing song creates noise	Bug_376	CONF
[RPB] USB kernel trace errors -22	Bug_20	CONF
[RPB] hikey: poweroff: Unable to handle kernel NULL pointer dereference at virtual address during shutdown	Bug_386	CONF
HDMI display doesn't go to sleep on system suspend/resume	Bug_356	CONF
[RPB-AOSP] Behaviors of power on button not following hardware user guide	Bug_164	CONF
[RPB] hikey: hi6220-mbox: probe of f7510000.mailbox failed with error -16	Bug_406	CONF
Rootfs partition named differently in HiKey and DB410c	Bug_270	CONF
[RPB] kernel: WARNING: Workqueue: deferwq deferred_probe_work_func	Bug_414	CONF
[RPB] Fix chromium/libv8 on 64k pages kernel	Bug_403	CONF

[RPB] 16.06 hikey: screen goes blank when setting HDMI monitor resolution to 800x600	Bug_379	CONF
[RPB] stress-ng reboots HiKey board within 10 minutes	Bug_317	CONF