



**HiKey (LeMaker)
16.03 CE Debian RPB
Test Report**

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Configuration

Item	Explanation
Kernel	Linux version 4.4.0-104-arm64
Debian version	Debian GNU/Linux 8.3 (jessie) build 68
Toolchain	gcc version 4.9.2 (Debian/Linaro 4.9.2-10)
Board Firmware Package	UEFI 16.03

Glossary

PASS
SKIP
FAIL

Manual Test Results

Test Run	Result	Comments
Boot with eMMC	PASS	
Boot with SD card	PASS	
Bluetooth- Scanning	PASS	
Bluetooth- Pairing	PASS	
Bluetooth- Audio Streaming	PASS	
Bluetooth- File transfer	SKIP	Feature not supported
Serial Console	PASS	
HDMI- Display Blanking	PASS	
HDMI- Hotplug	PASS	
HDMI- Audio	FAIL	Bug 163
HDMI- Coldboot	PASS	
HDMI- Source switching	PASS	
HDMI - Video Output	PASS	
Graphics - Hardware Graphics Acceleration	FAIL	Bug 176
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	36 MB/s
SD write speed (ext2)	PASS	12.6 MB/s
SD read speed (FAT32)	PASS	38.2 MB/s
SD write speed (FAT32)	PASS	9.6 MB/s
Shutdown - Command Line	FAIL	Bug 233 , Bug 180
Shutdown - UI	FAIL	Bug 233 , Bug 180
Re-Boot	FAIL	Bug 233
RTC	PASS	
Power Button	FAIL	Bug 164
Status LED	FAIL	Bug 224
User LED	PASS	Bug 225
ES2 Gears	FAIL	Bug 151
Stress-ng	FAIL	Bug 124

Open Bugs

Bug Description	Bug-id	Status
[RPB] Bluetooth driver prevents board from rebooting	233	CONF
[RPB] User LED numbers on the board don't match the sysfs entries	225	CONF
[RPB] Shutdown cannot turn off HDMI monitor	180	CONF
[RPB-AOSP] Behaviors of power on button not following hardware user guide	164	CONF
[RPB-AOSP] HDMI audio not working	163	CONF
[RPB] USB kernel trace errors -22	20	CONF

Upgrade HiKey Mali Lib to r6p0	176	CONF
CPU frequency will be reset to lowest when it is heavily loaded	124	CONF