

\*\*\*\*\*Default\*\*\*\*\*

Test Ric's WIFI for Ultibo

11/28/21

\*\*\*\*\*Default\*\*\*\*\*

Initial tests

kernel7.img still not getting WIFI [https://github.com/develone/Ultibo\\_Projects/tree/master/RIC-WIFI/tests/RPi3/0403-0201/022720](https://github.com/develone/Ultibo_Projects/tree/master/RIC-WIFI/tests/RPi3/0403-0201/022720)

kernel7.img now gets WIFI on the Rpi3B+ compile with Lazarus IDE (Ultibo-Edition).

kernel7.img now supports tftp

cat config.txt

start\_x=1

gpu\_mem=128

diff bootcode.bin demofiles/bootcode.bin

diff fixup4.dat demofiles/fixup4.dat

diff fixup.dat demofiles/fixup.dat

diff start4.elf demofiles/start4.elf

diff start.elf demofiles/start.elf

Ultibo Core (Release: Beetroot Version: 2.1.125 Date: 25 August 2021)		
General	General	
Platform	Release Name:	Beetroot
Memory	Release Version:	2.1.125
Heap Blocks	Release Date:	25 August 2021
CPU	Time (Local):	28-11-21 23:25:09
FPU	Time (UTC):	28-11-21 23:25:09
GPU	Timezone:	UTC
RTL	Daylight Start:	None
Clock	Daylight Date:	N/A
Locale	Standard Start:	None
Threading	Standard Date:	N/A
Thread List	Temperature (SoC):	36.476 degrees Celcius
Scheduler	Uptime:	0 days 00:01:31
Devices		
Drivers		
Handles		
USB		
PCI		
MMC / SD / SDIO		
Network		
Storage		
Filesystem		
Disk Cache		
Keyboard		
Mouse		
Touch		

Ultibo Core (Release: Beetroot Version: 2.1.125 Date: 25 August 2021)		
General	Platform	
Platform	Board Type:	BOARD_TYPE_RPi3B_PLUS
Memory	Board Model:	0
Heap Blocks	Board Serial:	0x000000008471DEDD
CPU	Board Revision:	0x00A020D3
FPU	Chip Revision:	0x00000000
GPU	Firmware Revision:	0x5E4EB7C2 (1582217154)
RTL	Machine Type:	MACHINE_TYPE_BCM2710
Clock	Memory Base:	0x00000000
Locale	Memory Size:	1073741824
Threading	Page Size:	4096
Thread List	Large Page Size:	65536
Scheduler	Section Size:	1048576
Devices	Power State	
Drivers	POWER_ID_MMC0:	POWER_STATE_ON
Handles	POWER_ID_MMC1:	POWER_STATE_OFF
USB	POWER_ID_MMC2:	POWER_STATE_OFF
PCI	POWER_ID_MMC3:	POWER_STATE_OFF
MMC / SD / SDIO		
Network		
Storage		
Filesystem		
Disk Cache		
Keyboard		
Mouse		
Touch		

kernel7l.img now supports tftp

[https://github.com/develone/Ultibo\\_Projects/tree/master/RIC-WIFI/tests/RPi3/0403-0201/112221](https://github.com/develone/Ultibo_Projects/tree/master/RIC-WIFI/tests/RPi3/0403-0201/112221)

Using Ultibo member Paul's uTFTP.pas.

config.txt  
cmdline.txt

firmware

brcmfmac43430-sdio.bin	brcmfmac43455-sdio.clm_blob
brcmfmac43430-sdio.txt	brcmfmac43455-sdio.txt
brcmfmac43436-sdio.bin	brcmfmac43456-sdio.bin
brcmfmac43436-sdio.clm_blob	brcmfmac43456-sdio.clm_blob
brcmfmac43436-sdio.txt	brcmfmac43456-sdio.txt
brcmfmac43436s-sdio.bin	LICENCE.broadcom_bcm43xx
brcmfmac43436s-sdio.txt	Makefile
brcmfmac43455-sdio.bin	

The folder firmware was copied from ultibowifi 3b1b3d8.

ls firmwar\_for\_ultibo/022720/  
bootcode.bin fixup.dat fixup\_x.dat start.elf start\_x.elf