

Packages - Bug #3058

Lime2 eMMC with Realtek RTL8211E PHY: Ethernet is not working

2021-07-08 07:02 AM - GNUtoo

Status: confirmed	% Done: 0%
Priority: bug	
Assignee:	
Category:	
Description	

History

#1 - 2021-07-08 07:12 AM - GNUtoo

libre/uboot4extlinux-a20-olinuxino-lime2-emmc version	Kernel	Working
2021.07-2	linux-libre 5.11.2-1	Probably not ¹
	linux-libre-lts 5.10.19-1	Probably not ¹
2020.04-1	linux-libre 5.11.2-1	Probably not ¹
	linux-libre-lts 5.10.19-1	Probably not ¹
before the big rework ²	linux-libre 5.11.2-1	Probably not ¹
	linux-libre-lts 5.10.19-1	Probably not ¹

However I recall that at some point it stopped working, and upgrading u-boot made it work again at that point, but now that doesn't work anymore. So something in newer kernels probably required newer u-boot and now maybe even newer kernels broke it, or maybe my board is broken (I still need to test it with older images and/or other distributions (like GuixSD)).

¹ I need to re-test to be 100% sure.

fn2. 89ab0d27c libre: uboot4extlinux-sunxi: lower maintenance costs

#2 - 2021-07-16 10:23 AM - bill-auger

- Status changed from unconfirmed to confirmed

the title specifies EMMC - does this bug not affect non-emmc models? - it is the same PHY device

#3 - 2021-07-25 01:00 PM - GNUtoo

I've confirmed the bug: I still had a microSD with an older Parabola image that worked fine.

It most probably affect non eMMC models as well but I don't have one so I can't tell.

The person who bugreported for the newer phy not working has several models but I don't recall which ones. That person could probably do some tests since she got some of them for solving the phy issues by doing tests.

#4 - 2021-07-25 01:04 PM - GNUtoo

Here's the software versions on the working image:

Software	String at boot on the serial port	package version
u-boot	U-Boot 2019.10-1 (Nov 11 2019 - 02:25:01 +0000) Parabola GNU/Linux-libre	libre/uboot4extlinux-a20-olinuxino-lime2-emmc 2020.04-1
linux-libre	5.8.13-gnu-1	libre/linux-libre 5.8.13-1