RPI BCM2708 Parameters

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module: sdhci-bcm2708

Support for SDHCI device on BCM2708. SDHCI platform device - Arasan SD controller in BCM2708

module parameter	description	purpose / reason to use
allow_highspeed	Allow high speed transfers modes	Parameter to disable high-speed mode for the few cards that still might have problems. High-speed mode is enabled by default.[1][2]
emmc_clock_freq	Specify the speed of emmc clock	25 MHz or 50 MHz (high speed mode). 50 MHz (default) clock is perfect to drive the SD interface at ideal frequencies[3][4]
sync_after_dma	Block in driver until dma complete	We get CRC and DEND errors unless we wait for he SD controller to finish reading/writing to the card[5][6] [7]
missing_status	Use the missing status quirk	May improve interrupt latency on some sdcards [8]
spurious_crc_acmd51	Use the spurious crc quirk for reading SCR (ACMD51)	Fixes for CRC calculation errors after card reset [9]
enable_llm	Enable low-latency mode	Low latency mode for sdcards (1=enable)[10][11]
extra_messages	Enable more sdcard warning messages	

module: dwc_otg

HS OTG USB Controller driver

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module parameter	description	purpose / reason to use
fiq_fix_enable	Enable/disable FIQ patch	Lower number of interrupts when USB is idle, gains about 10% performance on the ARM side[12] [13]
speed	Limit speed to full speed	set to 1 to limit to full speed (USB 1.1) (When set to 0: USB 2.0 high speed) Might break some keyboards? [14]
lpm_enable	Change USB Link Power Management	Default is 0 to disable LPM support [15]
microframe_schedule	Enable/disable microframe scheduler	Improve USB with multiple endpoints? Default is on (1)[16]
nak_holdoff_enable	Enable the NACK holdoff	Reduce interrupt overhead when devices hold off using NACKs[17]

module: i2c-bcm2708

BSC controller driver for Broadcom BCM2708

module parameter	description	purpose / reason to use
baudrate	The I2C baudrate	Change default (100KHz) baudrate for i2c [18] [19]

module: w1-gpio

GPIO w1 bus master driver

module parameter	description	purpose / reason to use
pullup	-	Enable pullup to enable parasite power in bitbang mode [20]

References

1. ↑ https://github.com/raspberrypi/linux/commit/fdc3114aea4a8c869fb3478b1b2563bf595dcb6c
2. ↑ http://www.raspberrypi.org/phpBB3/viewtopic.php?p=91559#p96480
3. ↑ https://github.com/raspberrypi/linux/commit/819cbdd1d18f150070257737b0b20de6536eac48
4. ↑ https://github.com/raspberrypi/linux/commit/4144c02c7b8e4f9c3d3a5be8d33d05da98a01bee
5. ↑ https://github.com/raspberrypi/firmware/issues/19#issuecomment-7442015
6. ↑ https://github.com/raspberrypi/linux/commit/53011c10f7477d80dbae40b1be6dfad150e6c7eb
7. ↑ https://github.com/raspberrypi/linux/commit/8e39b3019b3494305d87b7489820178580369eb7
8. ↑ https://github.com/raspberrypi/linux/pull/72
9. ↑ https://github.com/raspberrypi/linux/pull/159
10. ↑ https://github.com/raspberrypi/linux/pull/72#issuecomment-8066275
11. ↑ https://github.com/raspberrypi/linux/commit/77f82f9de9f88fc7ff693497dcb6b0ef5b1c5e63#diff-8af9a46d1b0e50638bf61a18ad2d09b7R1401
12. ↑ https://github.com/raspberrypi/linux/commit/1f45d3d733d51369b3e21b3152839e24a840ec59
13. ↑ http://www.raspberrypi.org/phpBB3/viewtopic.php?f=28&t=7866&start=75

14. ↑ http://raspberrypi.stackexchange.com/questions/4090/how-can-dwc-otg-speed-1-be-made-to-work
15. ↑ https://github.com/raspberrypi/linux/commit/9025bc52c25cf7526ef8b204e9a6dbd620d31529#diff-b1c763eb039590f135f0fd3b01dc42b3
16. ↑ https://github.com/raspberrypi/linux/commit/5cc98c1e75700e51e4a31d8a05b4a55a7d29648c
17. ↑ https://github.com/raspberrypi/linux/commit/9e07cbc724ea3c094a8ea764a093335e5f42f088
18. ↑ http://www.raspberrypi.org/phpBB3/viewtopic.php?p=342126&sid=c0235b5b385e7d0104399f194616d59f#p342126
19. ↑ https://github.com/raspberrypi/linux/commit/e5c5956ed7aa509187515a1acfe4ec2ca6d63433
20. ↑ https://github.com/raspberrypi/linux/commit/36a1ff9b3debcd596f531feaeb0ee92879cba31c

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