RPi SD cards

From eLinux.org

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SD cards

The SD card is a key part of the Raspberry Pi; it provides the initial storage for the Operating System and files. Storage can be extended through many types of USB connected peripherals.

When the Raspberry Pi is 'switched on', i.e. connected to a power supply, a special piece of code called the bootloader is executed, which reads more special code from the SD card that is used to start up the Raspberry Pi. If there is no SD card inserted, it will not start. Do NOT push in or pull out an SD card while the Raspberry Pi is connected to the power, as this is likely to corrupt the SD card data (you might get away with it, but it is best not to).

The SD card must be formatted, or written to, in a special way that means the Raspberry Pi can read the data it needs to start properly. If you are new to this check the instructions, or buy a pre-formatted SD card.

One advantage to using an SD card like this is that you can have several SD cards, each with a different operating system, or a different purpose. Simply power off, switch cards, and reconnect the power. You have a different computer to play with.

Which SD card?

SD cards come in three physical sizes (see picture). The Raspberry Pi A and B use the largest one; the miniSD card and the MicroSD card can be used in those models, but you will need an adapter / holder to fit it. The Raspberry Pi B+ requires the smallest one, the MicroSD.
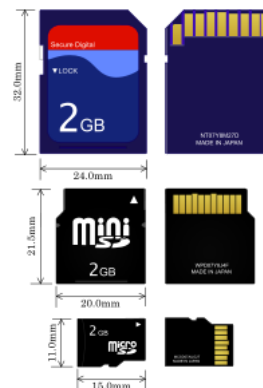
SD cards come in a range of storage sizes. You will likely need more than 2 GB.

There are other properties of SD cards that are not covered here. Read the Wikipedia article (http://en.wikipedia.org/wiki/Secure_Digital) for those details.

Other SD card content

See the following links for other information:

- Select a Distribution

- Easy SD card set up

- Advanced set up

- Troubleshooting

Preinstalled SD cards

You might like to consider buying a preinstalled card; a wide range of branded SD cards preinstalled with operating systems are available. If you don't buy a preinstalled card, you will have to create one yourself. Check the SD Card setup page to help you make this decision. That page also shows where these cards can be bought from.

Verification

Users have listed working and non-working cards here. The SD Card Association (https://www.sdcard.org/home) suggests there are more than 400 brands across dozens of product categories and more than 8,000 models. These are just a few.

Is this reliable?

Unfortunately there is little scope for analysis of the failures given below. There are several reasons why a card may not work. You will notice that the same card may be shown as working and not working; the model numbers on cards do seem to be confusing.

- the firmware / bootloader on early Raspberry Pi boards had a problem with Class 10 high speed cards. This has been fixed.
- the drivers in some Linux distributions have been improved since the initial release
- the Raspberry Pi can suffer from performance problems if peripherals are drawing too much power from the power supply; one of the consequences is errors from the SD card
- unless using a preinstalled card, users have to copy a distribution image to the SD card. This might be considered more technical than the user has previously experienced, resulting in a faulty SD card
- there are many cheap Chinese copies of (brand name) SD-Cards on the market, in addition they are often mislabelled as having greater capacity than they really have, see SanDisk counterfeit cards (http://www.petapixel.com/2011/05/20/one-third-of-the-sandisk-memory-cards-on-earth-are-counterfeit)

... and of course, they may be faulty!

Technical Information

Note that manufacturers change their designs over time, even as the specs stay the same. (E.g. an ACME 8 GB class 4 card manufactured in 2011 might work, while one manufactured in 2012 might not.)

For this reason, please specify product numbers in the lists below, when possible.

You can also attach the following fields from your card's CID:

```
cd /sys/class/mmc_host/mmc?/mmc?:*
echo "man:$(cat manfid) oem:$(cat oemid) name:$(cat name) hwrev:$(cat hwrev) fwrev:$(cat fwrev)"
```

Working / Non-working SD cards

The table can be sorted using the triangles in the top row. Please add entries in the correct location, so that the initial sort is by Manufacturer, Type, Size and Class. Keep separate entries for working and non-working. Put your user name and date in the final column, so people can judge if the problem is still likely to occur.

OK	Manufacturer	Type	Size (GB)	Class	Model	Info	Logged
ok	PNY	SDXC	256	10	Model P-SDX256U1H-GE	man:0x000028 oem:0x4245 name:SD256 hwrev:0x0 fwrev:0x2 - Works with RaspBMC 2014-11-24 Release	mnejman 2014
ok	Kingston	SDX	128	10	SDX10V/128GB	Must format it as FAT32. Took a very long time for Pi to install system.	H. Matis 2013
ok	Hama	SDXC	128	10	00114945	Tested with Raspbian (dd + resize) and works without issues.	Sebastian Jun 2014
ok	Lexar	SDXC	128	10	LSD128CTBNA400	UHS-I	AdamGre 12 Aug 2
ok	Platinum	SDXC	128	10		man:0x000074 oem:0x4a45 name:SDU1 hwrev:0x0 fwrev:0x2 Tested with BerryTerminal, NOOBS, OpenELEC, Raspbian and Raspbmc	Ienny 25 2013
ok	PNY	SDXC	128	10	Model P-SDX128U1H-GE	No issues observed. Used dd on linux to write raspbian image, and rpi autoresized on first boot without problems	kansky 6 2014
nok	PNY	SDXC	128	10	P-SDX128U1H-GE	man:0x000003 oem:0x5344 name:SD064 hwrev:0x3 fwrev:0x0 Fails under heavy write load with "mmc0: Controller never released inhibit bit(s) mmc0: Timeout waiting for hardware interrupt". Works perfectly in USB card adapter.	whitslack 2014
ok	SanDisk	microSDXC	128	10	Write: 10.6 MB/s, Read: 18.6 MB/s, man:0x000003 oem:0x5344 name:SL128 hwrev:0x8 fwrev:0x0	Works with Raspbian on Model B+	Mstu 23 2014
nok	SanDisk	SDXC	128	10	Extreme (45MB/s UHS-I)	Don't work (Tested on Two)	OTHMA 02 10
ok	Transcend	SDXC	128	10 UHS-I	TS128GSDXC10U1	Works with openSUSE	petrmatul 2014
nok	Adata	microSDHC	64	10		with adapter	rolgiati 2 2013
ok	Kingston	SDXC	64	10	SDX10V/64GB		Bromont 2012
ok	Kingston	SDXC	64	10	SD10G3/64GB UHS-I Elite		Plnt 10 Ju
ok	Lexar	SDXC	64	10	Premium series	UHS-I	Kuisma 1 2013
ok	Microcenter	SDHC	64	10		(sold in bins at checkout) ... Must format it as FAT32.	alex2228 Dec 2014
ok	Platinum	SDXC	64	10			Datafreak 2012
ok	Samsung	microSDHC	64	10	MB-MGCGBA/AM	Comes with a SD adapter. Installed 2014-01-07 Raspbian Wheezy, works perfectly!	PatriotInA Jan 2014

nok	Samsung EVO	microSDXC	64	10	MB-MP64D	Would not boot could not see image. Tested on B+ model.	Prod 26 D 2014
ok	SanDisk	SDXC	64	10	Extreme (SDSDX-064G-X46)	45 MB/s UHS-I: works with 2012-07-15-wheezy-raspbian	Cracki 10 2012
nok	SanDisk	SDXC	64	10	Ultra (SDSDU-064G-U46)	2014-03-15-wheezy-raspbian crashed every week with reading errors. Card switched to readonly after one month. The same happened with a replacement card.	hypnotoa mar 14
ok	SanDisk	SDXC	64	10	Ultra SDXC UHS-I FFP (3A114807)		Zagblorg 2012
ok	SanDisk	microSDXC	64	6	SDSDQY-064G-A11A	boots up much more consistently with latest firmware	LastSilma May 2012
ok	SCT	SDXC	64	10	STC SM649A-130125	2013-02-09-wheezy-raspbian.img, booted cleanly, installed LibreOffice OK	Lanulos 2 2013
ok	TakeMS	SDXC	64	10		overclock turbo model B works	select 02 2013
ok	Transcend	microSDXC	64	10	TS64GUSDU1E	Raspberry Pi B+ Model (tested with ARM Arch Linux)	fluxon 28 2014
ok	Transcend	SDXC	64	10	TS64GSDXC10		Country 2 2012
ok	Adata	SDHC	32	10	AUSDH32GCL10-R		Tom3f 13 2012
ok	Adata	microSDHC	32	10	AUSDH32GCL10-RA1	2013-05-25-wheezy-raspbian	pAIgn10 2013
ok	AmazonBasics	SDHC	32	10			Lrosengr Aug 2012
ok	Duracell	SDHC	32	10		man:0x00001d oem:0x4144 name:SD hwrev:0x1 fwrev:0x0 (~4.6MB/s read, ~4.4MB/s write on debian6-19-04-2012)	Bedevere 2012
nok	Extrememory	SDHC	32	10	Marked "Hyperformance"		MathieuM Oct 2013
ok	Extrememory	SDHC	32	10		man:0x000003 oem:0x5344 name:SMI hwrev:0x1 fwrev:0x0	Mfg 3 Jun
ok	Fuji	SDHC	32	10	P10NM00580A	(man:0x000073 oem:0x4247 name:NCard hwrev:0x1 fwrev:0x0)	Crashmer 28 Jul 20
nok	GSkill	SDHC	32	10			Flatline4 May 2012
ok	HP	SDHC	32	10			Harkin 28 2012
ok	ICIDU	microSDHC	32	10		(20 MB/sec)	Alphons 2 2012
nok	Imation	SDHC	32	10	S732G1232	mmc0: controller never released inhibit bit(s) followed by many and various mmc0: timeout errors	ChrisGre Jan 2013
ok	Integral	SDHC	32	10			FLX 2 Ju
ok	Integral	SDHC	32	10	Ultima Pro (20 MB/s)		Ab30021 Aug 2012
ok	Kingston	SDHC	32	10	SD10G2/32GB, ultimateX 100X, SD10V		Tony 29 I 2012, Pm 17 Jul 20
ok	Kingston	SDHC	32	10	SD10V/32GB (N0415-002.A00LF TAIWAN JM94450-913.AOOLF)	works	Epa 2013
ok	Kingston	microSDHC	32	4	SDC4/32GB (C32G)		ow3n 8 O
ok	Kingston	microSDHC	32	10	SDC10/32GB	Tested with Raspbian wheezy on RPI B+, no problem so far.	Julien Bo 30 Sept 2
ok	Kingston	microSDHC	32	10	SDC29/32GB	tried it with retropie raspian 7.5 so far no problems	Guido(da 27 Fun 20
ok	Lexar	microSDHC	32	10	HIGH-SPEED		RogerH 5 2012
ok	Lexar	SDHC	32	10	Platinum II SDHC UHS-I		Dedejaco Mar 2014
ok	Medion	microSDHC	32	6	MD86958	works well with NOOBS 1-2-1 and Raspbian	Joerg 14 2013
ok	Medion	SDHC	32	6	MD86965	works well with NOOBS 1-2-1, Raspbian and RiscOS	Joerg 19 2013
ok	Mushkin	SDHC	32	10	MKNSDHCC10-32GB		Openboat May 2012

ok	MyMemory	SDHC	32	10			Dale2507 Nov 2012
ok	Patriot	SDHC	32	10	PSF32GSDHC10		Megs 29 2012
ok	Patriot	SDHC	32	10	UHS-1 PEF32GSDHC10U1	20.4MB/s read, 12.1MB/s write	Bengoerz 2012
ok	PNY	SDHC	32	10	P-SDHC32G10-GE	Works with Arch 2012-09-18 and Raspbian 2012-12-16	Derekivey Dec 2012
nok	PNY	SDHC	32	10	Professional (P-SDHC32G10-EF)	(mmc0 timeout with Debian, error -84 whilst initialising sd card with Fedora and QtonPi. Arch seems to work, gets to the login prompt)	Optim4l 9 2012
nok	PNY	SDHC	32	10	Pro	Debian installation worked, [brand new] Card died a few minutes later with mmc0 timeouts, during apt-get upgrade. Never got it to work again on any system	Gryzor 10 2013
ok	PNY	SDHC	32	10	P-SDH32U1H-GES3 Elite Performance	Happily banging away for over a month now; Raspbian Linux 3.6.11+ #456 PREEMPT armv6l system v,3.3.3	Jerasmus Aug 2013
ok	PNY	microSDHC	32	10		with AdaFruit adapter	Wibble 2 2013
ok	Samsung	SDHC	32	6	MB-SSBGBFFP		Xerxes 02 2013
ok	Samsung	SDHC	32	10	MB-SSBGA, MBSSBGVEOBGA-SH	OK with Debian Wheezy. debian6-19-04-2012: mmc0: timeout waiting for hardware interrupt	Alkarex 1 2012
ok	Samsung	microSDHC	32	10	MB-MSBGAEU	man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0 - works with 2013-12-20-wheezy-raspbian.zip, Kernel 3.10	Johannes 2013
nok	Samsung EVO	microSDHC	32	10	MB-MP32DA/AM	Tested on B+ model - no adapter needed as it take microSD. Can install 2014-06-20 Raspbian image and boot OK. But afterwards, running sudo apt-get upgrade caused SD corruption. Tested with 2 cards, both exhibited the same problem.	Striders 2 2014
ok	Samsung EVO	microSDHC	32	10 UHS-1	MB-MP32DU2/EU (w/ USB2.0 adapter)	man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0 - works well with Raspbian 2014-12-24 and Asterisk 2014-07-31 images. Max. tested speed with SD cards adapter on PC: writing 20.3 MByte/s, reading 35.4 MByte/s.	Carriba, 2 Decembe
ok	SanDisk	SDHC	32	10	Extreme PLUS SDSDXS-032G-A46 (80MB/s UHS-I)	RPi Model B+ - No issues or errors encountered, using RetroPie 2.3 (man:0x000003 oem:0x5344 name:SE32G hwrev:0x8 fwrev:0x0)	arcooke 2 2014
ok	SanDisk	SDHC	32	4			Daviewal May 2012
ok	SanDisk	SDHC	32	6			Helpme19 Apr 2012
ok	SanDisk	SDHC	32	10	Extreme (45MB/s UHS-I) (SDSDX-032G-X46)	works with arch-04-29-image and latest firmware (booting problems without firmware update) / works with debian wheezy kernel 3.2.27+ (jLo)	Malhelo 8 2012 / jL 2013
ok	SanDisk	SDHC	32	10	Ultra (30MB/s UHS-I) (SDSDU-032G-U46)	Works with debian6-19-04-2012

Works with 2014-01-07-wheezy-raspbian
Works with wheezy-raspbian 22 May 2014 man:0x000003 oem:0x5344 name:SU32G hwrev:0x8 fwrev:0x0 | Pnppl 11 2012

Sheegoth Feb 2014 GrimFake May 2014 |
ok	SanDisk	SDHC	32	10	Elevate (30 MB/s) SDSDU-032G-T11	Works with 2012-12-16-wheezy-raspbian	bderry71 2013
ok	SanDisk	microSDHC	32	4			Sherman 2012
ok	SanDisk	microSDHC	32	10	SDSDQU-032G-U46A	archlinux-hf-2013-02-11	pAIgn10 2013
ok	SanDisk	microSDHC	32	10	SDSDQXN-032G-FFPA	RPi Model B+, raspbian-wheezy-2014-12-24

man:0x000003 oem:0x5344 hwrev:0x8 fwrev:0x0 | rico 31 D |
nok	Silicon Power	SDHC	32	6	LS2N732GQON03ASP	boots debian6-19-04-2012.img, but frequent slow response / system hangs	Michthon 2012
ok	Sony	SDHC	32	10	SF-32NX/TQ	Max read speed of ~94 MB/s, min write speed of ~10 MB/s) - Works with archlinuxarm-29-04-2012 dd image with latest firmware update (as of 10-06-2012)	Chbg 13 2012
ok	Sony	SDHC	32	10	SF-32UY/TQ1, SF-32UY/TQMN (40 MB/s)	Works with archlinux-hf-2013-02-11 (also after full update) - as of 04-08-2013	Tigran 09 2013
ok	Sony	SDHC	32	10	SF-32UY/TQ1, UHS-I (40 MB/s)	Works with Raspbmc, OpenELEC (Frodo and Gotham test builds), and NOOBS.	JoeSchmu July 2013

						Tested throughput: Seq Read: 87.2MB/sec Seq Write: 20.4MB/sec Random Read: 78.3MB/sec Random Write: 19.9MB/sec	
ok	Super Talent	SDHC	32	10	SDHC32-C10 SKU: 116-557-001	works with Raspbmc RC4 and 2012-07-15-wheezy-raspbian	Drroller 2012
ok	Toshiba	SDHC	32	10	SD-K032GR7AR30 (30MB/s)	Works with NOOBS.	OTHMAI 2014.02.1
nok	Transcend	SDHC	32	6	TS32GSDHC6-P2	Was not recognized by 1/2 rsp B, switched to read only after 1 year, man:0x000074 oem:0x4a45 name:SDC hwrev:0x1 fwrev:0x0	hypnotoa Mar 2014
ok	Transcend	SDHC	32	10	TS32GSDHC10, TS32GSDHC10E		Vakya 29 2012
nok	Transcend	microSDHC	32	?	TS32GUSDHC4	Doesn't boot	Piponazo 2012
nok	Transcend	microSDHC	32	10	TS32GUSDHC10	(man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0), with microSD to SD adapter, boots, (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc), 2013-02-09-wheezy-raspbian	Bernard Ladenthir Mar 2013
ok	Transcend	microSDHC	32	10	TS32GUSDU1	Works with 2013-02-09-wheezy-raspbian	Neurolit 2013
ok	Verbatim	SDHC	32	6	44032		Jarip 14 J
ok	Adata	SDHC	16	6		man:0x00001d oem:0x4144 name:SD hwrev:0x1 fwrev:0x0	Semtex 2 2012, Jett 2013
nok	Adata	SDHC	16	6	SD5MY168G0	won't boot	Nijntje 18 2012
ok	Adata	SDHC	16	10	16GSDHC10, ASDH16GUICL10-R		Captainra 2012, hon 7 Jan 201 CopperH 28 Jan 20
ok	Adata	microSDHC	16	10	AUSDH16GCL10-RA1	with adapter	Frank260 1 Jul 201
ok	Adata	microSDHC	16	10	AUSDH16GUICL10-R	Raspberry Pi B+	zl2wrw 1 2014
nok	Agfa	microSDHC	16	6		with adapter ENAAJK121960	MaWe 13 2012
ok	AmazonBasics	SDHC	16	10	B0058GH1IK	Tested 24 Jun 2012 no errors found	M3ch4 26 2012
nok	AmazonBasics	SDHC	16	10		many errors on 7 Jun 2012	S0rce 8 J
nok	Apacer	SDHC	16	10	AP16GSDHC10	Does not boot / io error from dmesg with os running from usb.	Jettis 5 S
ok	Centon	SDHC	16	4	1447		Uberfoo 2012
ok	Dane-Elec	SDHC	16	4			Elatllat 22 2011
ok	Dane-Elec	SDHC	16	10	Pro 200X DEMS16GB2683ENBA		Ivazquez 2012
ok	Dikom	SDHC	16	10	207H3MD016IBSD		Churchill 2012
ok	Duracell	SDHC	16	10	Pro Photo 200x		Semtex 2 2012
ok	Emtec	SD	16	10	EKMSD16G150XHC	less than half as fast as Sandisk 16gb Class 10	Declensio Aug 2012
ok	Extrememory	SDHC	16	10		man:0x000012 oem:0x3456 name:F0F0F hwrev:0x1 fwrev:0x0	Fjen 10 M 2012
ok	GSkill	SDHC	16	10	FF-TSDG16GA-C10		GKontad Jim Kastr (the toxic IT) 31 Au
ok	Goodram	microSDHC	16	4	SDU16GHCAGRR10		Mojca 22 2012
ok	Goodram	microSDHC	16	10			Druss 5 A 2012
ok	ICIDU	SDHC	16	10		image write had issues, might be my inexperience. It boots & shows Xserver	BjornW 2 2012
ok	ICIDU	microSDHC	16	10		(20 MB/sec)	Alphons 2012
							Zagblorg

ok	Integral	SDHC	16	6	Ultima Pro		2012
nok	Integral	SDHC	16	6	Ultima Pro (SH016GAA2BB)		Jmg123 2 2012
ok	Integral	SDHC	16	10	Ultima Pro	20 MB/s	Tomgco 2012
ok	(Intenso)	SDHC	16	4			johnniep Apr 2013
ok	(Intenso)	SDHC	16	10		man:0x000082 oem:0x4a54 name:NCard hwrev:0x0 fwrev:0x2 OpenELEC 3.10.20 write 8.0MB/s read 10.6MB/s	Cosbug 2 2013
ok	Joyflash	SDHC	16	10	LTSD1112016GB		Vk2amv 2012
ok	Kingston	SDHC	16	4	SD4/16GB		Skiesare 2012
ok	Kingston	SDHC	16	4	SDC4/16GB17	Works with Raspbian wheezy.	atakanaks 24/08/201
ok	Kingston	SDHC	16	6	SD6/16GB		Malvineo Jun 2012
ok	Kingston	SDHC	16	10	SD10G2/16GB ultimateX 100X, SD4/16GBET		Stevepdp 2012
nok	Kingston	SDHC	16	10	SD10G2/16GB ultimateX 100X	mmc0: Timeout waiting for hardware interrupt	Kimmoli 2013
nok	Kingston	SDHC	16	10	SD10V/16GB	Starts boot ok but then gets stuck in mmc0 timeouts	Hh 14 No
nok	Kingston	SDHC	16	10	SD10V/16GB (N0440-001. A00LF TAIWAN JM94513-908.A00LF)	mmc0 timeouts	Epa 2013
nok	Kingston	SDHC	16	10	SD10V/16GB (N0440-002. A00LF TAIWAN JM94585-902.A00LF)	not booting. no hdmi output. red leds on solid, green leds very lightly dimmed, no green flash/blink	smerz 20
ok	Kingston	SDHC	16	10	SD10V/16GB (N0372-002. A00LF TAIWAN JM94450-901.A00LF)	Seems to work	Epa 2013
ok	Kingston	SDHC	16	10	SD10V/16GB		Franeks 1 2013
nok	Kingston	microSDHC	16	4	SDC4/16GB	man:0x000002 oem:0x544d name:SA16G hwrev:0x1 fwrev:0x1 * Filesystem is corrupted on a daily basis (Raspbian)	Rmoser 1 2014
ok	Kingston	microSDHC	16	10	SDCA10/16GB (SD16G)	2014-09-09-wheezy-raspbian.img, man:0x000003 oem:0x5344 name:SD16G hwrev:0x8 fwrev:0x0	bcraun 5 2014
ok	Kingston	microSDHC	16	10	SDC10/16GB	Doesn't work with N0390-002.A00LF though (tested with Raspbian "wheezy") - mmc0 timeouts, waiting for hw int. I wouldn't recommend buying this card. N0460-002.A00LF: Does not boot / io error from dmesg with os running from usb.	Arrow 14 2012, J3r March 20 Jettis 5 Se
ok	Lexar	microSDHC	16	10	(LSDMI) 16GBBEU300A	Raspberry Pi B+ Model (tested on OpenELEC,xbian, raspbmc, kali linux)	@xhark 0 2014
ok	Lexar	SDHC	16	6	Platinum II		Semtex 2 2012
ok	Master	SDHC	16	10		[man:0x000003 oem:0x5344 name:SMI hwrev:0x1 fwrev:0x0]	Malvineo 2012
nok	Master Optimum	SDHC	16	10		Only 1 red LED lit, no HDMI output. Started booting one single time then crashed during boot. No errors writing card on Mac	User2348 May 2013
ok	Maxell	SDHC	16	4	X-SERIES	MicroSD w/ adapter. Tested with latest version of Raspbian (as at date of entry).	Drummin 28 Jul 20
nok	Maxell	SDHC	16	10	X-Series 83-P120001149-1		Paul 26 A 2013
ok	MemoryStar	microSDHC	16	10	?	man:0x000089 oem:0x0303 name:NCard hwrev:0x1 fwrev:0x0 - works well with Raspbian 2014-12-24 and Asterisk 2014-07-31 images.	Carriba, 2 Decembe
ok	Microcenter	SDHC	16	10		(sold in bins at checkout)	Crayfisha Jul 2012
ok	Mushkin	SDHC	16	10	MKNSDHCU1-16GB		Frank260 1 Jul 2012
ok	MyMemory	SDHC	16	10	MYMESDH16G10		Jblackbur 2012
ok	Patriot	SDHC	16	10	LX Series PSF16GSDHC10-PC1	Tested with Rasbian Wheezy	Leonardic

					(PSF16GSDHC10)		Jun 2013
ok	Patriot	SDHC	16	10	LX Series (PSF16GSDHC10)	19.3MB/s read, 9.3MB/s write	Jamesnin 2012
ok	Patriot	microSDHC	16	10	PSF16GMCSDHC10	requires recent kernel update for boot	Wmdopp 2012
nok	Patriot	microSDHC	16	10	PSF16GMCSDHC10	fails with 2012-12-16-wheezy-raspbian and with 1/8/13 kernel update. mmc0: controller never released inhibit bit(s) and mmc0: timeout waiting for hardware interrupt. Other cards work.	verket 8 J 2013
nok	Platinum	SDHC	16	10		Does not boot with Raspbian Wheezy 2012-09-12	Palto 13 S 2012
ok	Platinum	microSDHC	16	6			gecko163 Aug 2013
nok	PNY	SDHC	16	4		Unstable results with Raspian Wheezy (Sporadic failed booting - "Timeout waiting for hardware interrupt"	DBlessing Mar 2014
ok	PNY	SDHC	16	10	P-SDHC16G10-GE, P-SDHC16G10-EF, Pro-Elite P-SDHC16U10-30-GE	Works with Wheezy, does not work with Squeeze (mmc0: timeout...), Arch (no boot) (Joshdev), or Fedora Remix. Works with Raspbmc (Sp00l)	Jecxjo 9 J 2012, Jos Jun 2012, 21 Jul 20
nok	Polaroid	SDHC	16	10	P-SDHC16GB10-EFPOL	mmc0: timeout waiting for hardware interrupt on debian6-19-04-2012	Jamesnin 2012
ok	Samsung	SDHC	16	6	MB-SSAGAEU		Dakaix 2 2012
ok	Samsung	SDHC	16	6	MB-SSAGB/EU		leon.anav 2013
ok	Samsung	SDHC	16	10	MB-SGAGB (UHS-I PRO)		miljenko 2014
ok	Samsung	SDHC	16	10	MB-SPAGA / MB-SPAGAEU		Optim4l 2012
ok	Samsung	SDHC	16	10	MB-SPAGC		djayor 9 2014
ok	Samsung	microSDHC	16	10	MB-MPAGC (MB-MPAGAEU)	man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0	Olf 19 Se
ok	Samsung EVO	microSDHC	16	10	MB-MP16DA/EU	Tested on B+ model - Runs Raspbian and Xbian without a problem with over 48 hours of uptime	Jack 14 N 2014
ok	SanDisk	SDHC	16	4	SDSDB-016G-B35		NickstaD Apr 2012
ok	SanDisk	SDHC	16	4	SDSDB-016G-A11	Tested on OpenELEC, Arch, and NOOBS	funkeywo 9 Jun 201
nok	SanDisk	SDHC	16	4	SDSDB-016G-AFFP	Attempted with Windows, Linux dd, and Fedora ARM installer. RPi would not load and Linux could not mount after image written to card. *Note: I fixed the Linux error on the presumably similar SDSDB-016G-FFP after remembering to umount (http://www.raspberrypi.org/documentation/installation/installing-images/linux.md). GKFX (talk)*	mwolfgar Mar 2013
ok	SanDisk	SDHC	16	4	SDSDB-016G-FFP	Attempted with Ubuntu dd.	GKFX (ta 18:46, 31 Decembe (UTC)
ok	SanDisk	SDHC	16	6	Ultra (30MB/s) (BL1133921933G)	Works with OpenELEC r11324	Reckoner 2012
nok	SanDisk	SDHC	16	6	Ultra (BL1202021933G)		Dscott 23 2012
nok	SanDisk	SDHC	16	6	Ultra I (BL1205921933G)	Boots kernel but won't run init (mmc timeout waiting for interrupt)	SnarlingF May 2012
nok	SanDisk	SDHC	16	6	Extreme	(man:0x000003 oem:0x5344 name:SD16G hwrev:0x8 fwrev:0x0), boots, (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc), 2013-02-09-wheezy-raspbian	Bernard Ladenthir Mar 2013
ok	SanDisk	SDHC	16	10	Extreme (45MB/s U1) (BL1203322025G), (30MB/s HD Video) (SDSDX3-016G-X46), (45MB/s U1) (BL1203322025G)	Doesn't work with debian6-19-04-2012 image, but does work with 2012-06-18-wheezy-beta.img and updated firmware (tested 2012-07-02). Danbowes: Working with latest RaspBMC image (tested 12/09/2012)	Flatline4 May 2012 Dkleeman 2012, Zby Jul 2012, Danbowe Sep 2012

ok	SanDisk	SDHC	16	10	Extreme Pro SDSDXPA-016G-A75 (95MB/s UHS-I)	Doesn't work with stock debian6-19-04-2012 image, but does work with freshly compiled kernel	AXon 26 2012
ok	SanDisk	SDHC	16	10	Ultra (30MB/s UHS-I) (SDSDU-016G-U46) (SDSDU-016G-U46S)	Works with debian6-19-04-2012 (Misox12). Kernel Panic with debian6-19-04-2012. Worked fine with Wheezy image (Casestudies). Works fine with Raspbian Wheezy 2013-02-09, man:0x000003 oem:0x5344 name:SU16G hwrev:0x8 fwrev:0x0 (Fraoch).	Misox12 2012, Casestudi Jun 2012, 25 March
ok	SanDisk	microSDHC	16	10	Ultra microSDHC I UHS-I	man:0x000003 oem:0x5344 name:SU16G hwrev:0x8 fwrev:0x0. Works again since raspberrypi-firmware 20130116 in archlinux-arm. write 6.8 MB/s, read 21.0 MB/s	fiodschi, 2013
ok	SanDisk	SDHC	16	10	Extreme SDHC (45MB/s UHS-I) (SDSDX-016G-X46)	Works with Raspbian "wheezy" and works with OpenELEC	Fazdogg 2013; Shadyegl Feb 2013
nok	SanDisk	microSDHC	16	4		(man:0x000003 oem:0x5344 name:SU16G hwrev:0x8 fwrev:0x0), with microSD to SD adapter, boots, (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc), 2013-02-09-wheezy-raspbian	Bernard Ladenthin Mar 2013
ok	SanDisk	microSDHC	16	10	Mobile Ultra (30MB/s UHS-I) (SDSDQUA-016G-U46A)	working with the latest firmware	Menginee Aug 2012
ok	Sandisk	microSDHC	16	?	Sandisk Extreme	man:0x000003 oem:0x5344 name:SE16G hwrev:0x8 fwrev:0x0. write 18.2 MB/s, read 18.8 MB/s Works with 2014-09-09-wheezy-raspbian on Model B+	03 Dec 20
nok	SanDisk	microSDHC	16	10	Extreme Pro (95MB/s UHS-I) (SDSDQXP-016G-AFFP)	Installs and boots but random umounts occur and requires reboots, no work around found.	sdn3rd 15 2014
ok	Silicon Power	SDHC	16	6	SP016GBSDH006V10		Valery 05 2013
ok	Silicon Power	SDHC	16	10	SP016GBSDH010V10		Xthexder 2012
ok	Silicon Power	microSDHC	16	10	SP016GBSDH010V10		Jamesnin 2012
ok	Sony	SDHC	16	10	UHS-1	Works well with Raspian.	Bafeigum Aug 2013 DBlessing Mar 2014 (Confirm
ok	TakeMS	SDHC	16	6		Tested on raspbmc - works with no problems	swidzi 25 October 2
ok	Toshiba	SDHC	16	10	SD-T16G(1046 US7022 C)		Yang 5 S
ok	Toshiba	microSDHC	16	10	SD-C016UHS1BL5A	with adapter	wombalto March 20
ok	Transcend	SDHC	16	4	TS16GSDHC4	Tested with Raspbian 2014-12-30	Fmondad 2014
ok	Transcend	SDHC	16	6	TS16GSDHC6		Bullace 1 2012
ok	Transcend	SDHC	16	10	TS16GSDHC10 / TS16GSDHC10E		Rew 18 A 2012
ok	Transcend	SDHC	16	10	TS16GSDHC10 / TS16GSDHC10E	Read:18.4 MB/s Write:12.1 MB/s (man:0x000074 oem:0x4a45 name:SDC hwrev:0x0 fwrev:0x2)	Sam2 01 2014
ok	Transcend	SDHC	16	10	TS16GSDU1	Read:18.4 MB/s Write:12.1 MB/s, (man:0x000074 oem:0x4a45 name:SDU1 hwrev:0x0 fwrev:0x2)	Sam2 01 2014
ok	Transcend	SDHC	16	10	TS16GSDHC10 9173BA-16G-09DS2	works	Epa 2013 package 3432 V5. behind it.
nok	Transcend	SDHC	16	10	TS16GSDHC10U1	Doesn't Boot, show that "kernel panic - not syncing attempted to kill init"	Khfung02 2012
ok	Transcend	SDHC	16	10 UHS-1	TS16GSDHC10U1	Works with Occidentals 0.2 from Adafruit, read and write about 15 MB/s, didn't test other versions.	aevh 18 F 2013
ok	Transcend	microSDHC	16	10	TS16GUSDU1	Raspberry Pi B+ Model (tested on OpenELEC,xbian, raspbmc, kali linux)	@xhark 0 2014
ok	Transcend	microSDHC	16	10	TS16GUSDU1	Works with 2014-06-20-wheezy-raspbian	Elf98 15 2014

ok	Verbatim	SDHC	16	4	44020		Adelahun Nov 2012
nok	Verbatim	SDHC	16	6	47178	Raspbian Pisces RC3 - boots, but after login: mmc timeout waiting for interrupt	Razzda 1 2012
nok	Verbatim	SDHC	16	10	13762	mmc timeout	Epa 2013
ok	Verbatim	SDHC	16	10	43962		Klass 24 2012
ok	Verbatim	microSDHC	16	4		Tested with 2013-02-09-wheezy-raspbian - works without any problem	J3rGuS 1 March 20
ok	7DAYSHOP.CzOM	SDHC	8	10		man:0x000027 oem:0x5048 name:SD08G hwrev:0x3 fwrev:0x0	Ap 3 Jul 2
nok	Acumem	SDHC	8	6		many errors on 7 Jun 2012	S0rce 8 J
ok	Adata	SDHC	8	2	MMB3F08GWMCA-GE		Timishier 2012
ok	Adata	SDHC	8	6	MMAGR08GUDCA-DB	sometimes boots (Dattaway)	Florz 26 I 2012, Dat 13 Jun 20
ok	Adata	SDHC	8	10	AUSDH8GCL10-R, P-SDH8G10-EC, ASDH8GCL10-R		Elatllat 22 2011, Mar 18 Jul 20 Thenix 14 2013
ok	Adata	microSDHC	8	4		MicroSD w/ adapter	0xAF 12 2012
ok	Adata	microSDHC	8	10	AUSDH8GUICL10-RA1	MicroSD w/ adapter	johnniepe Apr 2013 (Elpadre 24/Nov/1
ok	AmazonBasics	SDHC	8	10	B0058GH0LS		Reid 7 Ju
ok	Apacer	SDHC	8	6			Hamish 1 2012
ok	Apacer	microSDHC	8	10		with adapter	Jasen 8 Ju
ok	CnMemory	SDHC	8	4	84209_8GB_SDHC (Silver/Black label says 'High Capacity Card') Maplins	operation is much slower than with a SanDisk 4GB Class 4 card	Ceptimus 2012
ok	CnMemory	microSDHC	8	10	86071	man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0. write 10.4 MB/s, read 20.1 MB/s	fiodschi, 2013
ok	CoreMicro	microSDHC	8	4	CMMICROSDCL4/8GB	man:0x000082 oem:0x4a54 name:NCard hwrev:0x1 fwrev:0x0	Dick Jone Dec 2013
ok	Dick Smith	SDHC	8	4	XG4959	This 8GB DSE SD (S608G1137) works fine on latest Raspbian as at Dec 2013	Sauce 3 D 2013
ok	Emtec	SDHC	8	10	EKMSD8G150XHC	~17 MB/s read / ~14 MB/s write in 'dd' (man:0x000003 oem:0x5344 name:SMI hwrev:0x1 fwrev:0x0)	NC 10 Fe
ok	Emtec	SDHC	8	10	180SD10MK8	MicroSD w/ adapter for Model: B+	SA 4 Oct
nok	Emtec	SDHC	8	10	EKMSD8G150XHC	Both Raspmc and OpenElec tries to boot, but throws lots of errors	vygandas June 2013
ok	Fujifilm	SDHC	8	4	P10N079840A		Paul 26 A 2013
ok	Fujifilm	SDHC	8	10	A94125 1464		sukram23 06 Sep 20
ok	Goodram	microSDHC	8	4			Chmurli 9 2012
nok	Goodram	SDHC	8	10	SDC8GHC10PGRR9		MPastusz July 2014
ok	Hama	SDHC	8	6	High Speed Pro		Bubblebo May 2012
ok	Hema (Dutch dept. store)	SDHC	8	4			Hjongste 2012
ok	HIDISC	SDHC	8	10	HDPSDH8GC10	man:0x000027 oem:0x5048 name:SD08G hwrev:0x3 fwrev:0x0	Nkt00125 Aug 2013
ok	HP	SDHC	8	4		doesn't reboot during first time startup process, but restart again and fine after that	Semtex 2 2012
ok	ICIDU	microSDHC	8	10			Wieltje 1 2012
nok	Integral	SDHC	8	10	Ultima Pro 20MB/s SD-K08G - 1245-WJ1479L	Gets too hot and wont boot.	mpmc 22 2013
ok	Integral	SDHC	8	10	Ultima Pro 20MB/s SD-	Works fine.	mpmc 22

					K08G - 1238-W19718L		2013
ok	Integral	SDHC	8	6	Ultima Pro	initial error -110 but boots within 5 seconds with no further errors or issues	Bubblebo May 2012 controller released i bit(s) and mmc0: ti
ok	Integral	SDHC	8	10	Ultima Pro (20 MB/s)	works: initial error -110 but boots within 5 seconds with no further errors or issues	Auldy 10 2012
ok	Integral	microSDHC	8	4		Tested with Raspbian 2013-12-20, with the included microSD adapter.	Plof 1 Jan 2014
nok	Kingmax	microSDHC	8	4	KM08GMCSDHC41A	won't reboot when it's hot	Slabua 2 2012
ok	Kingston	SDHC	8	4	SD4/8GB	Works reliably with Raspbian 18-9-2012 and previous Debian releases (Picards)	Md84419 2011, Pic Oct 2012
nok	Kingston	SDHC	8	4	SD4/8GB	does not work with current build of raspbmc (LastSilmaril), unreliable with raspbian (Quentinsf)	LastSilma May 2012 Quentinsf
ok	Kingston	SDHC	8	6	SD6/8GB	errors on boot, but ok (Debian), does not work with raspbmc rc2 or archlinux	Jamsta 5 2012
ok	Kingston	SDHC	8	10	SD10G2/8GB ultimateX 100X, SD10V/8GB ultimateX 120X		ShiftPlus Apr 2012 Stevepdp 2012
ok	Kingston	SDHC	8	10	SD10G3/8GB Elite	Works with Raspbian Wheezy 25/05/2013	Deicide 1 2013
ok	Kingston	SDHC	8	10	SD10V/8GB		KingC 7 February
nok	Kingston	microSDHC	8	4	SDC4/8GB	Does not work with NOOBS (do not recognize it) or applying an image of Debian or Fedora on it (Kernel panic ... cannot mount fs)	Lilt 9 Ma * ElPadre April 201
nok	Kingston	microSDHC	8	10	SDC10/8GB	Work on Raspian, **but doesn't work with NOOB**. [Suggestion : download full image of O.S. and put it into SD card directly.] **Works with NOOBS** Sometimes I/O errors and: mmc0: timeout waiting for hardware interrupt **Does not work in RPi Model B+ with RaspBMC**. Starts booting but all writes fail. **NOOBS works fine**, installed Arch and Raspbian successfully.	webserfer March 20 submarine 2014 diogobach Jan 2014 20 July javierrgz 2014 tinkergno Oct 2014
ok	Kodak	SDHC	8	4			Britaniola 2012
ok	Kruidvat (Dutch dept. store)	SDHC	8	4			Boeboe 1 2012
ok	Kruidvat (Dutch dept. store)	SDHC	8	10			Asiklov 2 2012
ok	Lexar	SDHC	8	4	Milti-Use SDHC LSD8GB ASBWMC2 rev.B, on card 31352-oc4-8gbbm-a	sold in 1 or 2 pack	Spyder M 2013
ok	Lexar	SDHC	8	4			Md84419 2012
ok	Lexar	SDHC	8	6	Platinum II		Shirro 7 N 2012
nok	Lexar	SDHC	8	6	Premium series		blazi 17 Decembe
ok	Lexar	SDHC	8	10	Platinum II (200X) LSD8GBBBEU200C10	Works fine on OpenElec 3.0.6	Vygandas 2013
ok	Lexar	SDHC	8	10	Platinum II UHS-I (LSD8GBBSBNA200C10 Rev C)	Works fine w/NOOBS v1.3.4 Raspbian	fortran87 2014
ok	Maxell	microSDHC	8	10	X-SERIES 854716.00.TW	Tested with Raspberry PI A+ and Raspbian. No problems so far.	Unas 4 D

ok	Medion	SDHC	8	4			Buadhach 2012
ok	Memorex Travel Card	SDHC	8	10	?	Works well with Raspbian 2013-09-25.	The Doct October 2
ok	Microcenter	SDHC	8	4	0289508	(sold in bins at checkout)	Pdp7 25 A 2012
ok	Microcenter	SDHC	8	10	0349728	(sold in bins at checkout)	Pdp7 25 A 2012
ok	Mustang	SDHC	8	10	SD8GHCCL10MU-R		Xanatos 3 2012
ok	MyMemory	SDHC	8	10	MYMESDH8G10	(latest batch not working - Bubblebobble)	Rew 18 A 2012
nok	MyMemory	SDHC	8	10			Jezmck 2 2012
ok	OCZ	SDHC	8	6	Gold Series (08110596-8GB-6)	tested with debian6-19-04-2012	Alkarex 1 2012
ok	Optima	SDHC	8	4		Does not boot with Raspbian Wheezy 2012-07-15. Works with 2012-09-18	Penguintu Aug 2012 Oct 2012
ok	Optima	SDHC	8	10	Pro-Speed		DaWoods May 2012
ok	Panasonic	SDHC	8	2		(~11.1MB/s read, ~9.7MB/s write)	Malexma Jul 2012
ok	Panasonic	SDHC	8	6		~4.8MB/s read, ~4.4MB/s write, following the Performance below	Xonx 21 2012
nok	Panasonic	SDHC	8	10	RP-SDU08GD1K - London-2012-Collection	mmc0: timeout waiting for hardware interrupt	Selsinork 2012
ok	Patriot	SDHC	8	6	PSF8GSDHC10-PC		Paradigm 2012
nok	Patriot	SDHC	8	6	PS8GSDHC10-BC	repeatable corruption after 1 or 2 reboots with 2012-07-15-wheezy-raspbian	Ntrepid8 2012
nok	Patriot	SDHC	8	10	PSF16GMCSDHC10		Elatllat 22 2011
ok	Patriot	SDHC	8	10	LX Series PSF8GSDHC10-PC1		Nugget 9 2012
nok	Patriot	SDHC	8	10	PSF8GSDHC10-PC	won't even boot 2012-08-16-wheezy-raspbian (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc). Seems functional in Arch, but sometimes freezes at the beginning of boot (blinking underscore)	Dgatwood Sep 2012
nok	Patriot	microSDHC	8	10	PSF8GMCSDHC10	I observed behavior similar to the full size version of this card (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc).	CVBruce 2013
ok	Patriot	SDHC	8	10	LX Series PSF8GSDHC102PK	Twin pack	verket 8 J 2013
ok	Philips	SDHC	8	4	FM08SD35B		Oostenvr 2012
nok	Philips	microSDHC	8	4	FM08MD35B	(man:0x000027 oem:0x5048 name:SD08G hwrev:0x3 fwrev:0x0), with microSD to SD adapter, boots, (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc), 2013-02-09-wheezy-raspbian	Bernard Ladenthir Mar 2013
nok	Platinum	SDHC	8	6	Fails with mmc error (7 cards in 10) on ccidentalis_v02. Fails on laptops which use mmc driver instead of SATA	(man:0x00006f oem:0x0000 name:SMI hwrev:0x1 fwrev:0x0)	Leucos 22 2013
nok	Platinum	SDHC	8	8	O08G840 M3100487 TW		MaWe 13 2012
ok	Platinum	SDHC	8	10	RTK247T5MD08G order no. 126982		Cobalt 9 2013
nok	Platinum	SDHC	8	10	8DK52-131ME	hctosys.c: unable to open rtc device (rtc0) mmc0: Timeout waiting for hardware interrupt - cmd18 mmc0: Timeout waiting for hardware interrupt - cmd12 mmc0: Timeout waiting for hardware interrupt - cmd13 mmcblk0: error -110 sending status command, retrying mmc0: Timeout waiting for hardware interrupt - cmd13 mmcblk0: error -110 sending status command, retrying mmc0: Timeout waiting for hardware interrupt - cmd13 mmcblk0: error -110 sending status command, aborting mmc0: Timeout waiting for hardware interrupt - cmd13 mmc0: Timeout waiting for hardware interrupt - cmd13	Cobalt 9 2013

						mmc0: Timeout waiting for hardware interrupt - cmd13 mmc0: Timeout waiting for hardware interrupt - cmd13 Kernel panic - not syncing: VFS: Unable to mount root fs on unknown-block(179,2) on Arch Linux ARM hf 2013-02-11	
nok	PNY	SDHC	8	4	Optima 120 HD SD-K08G 0928 WF3673	mmc -110 errors at init time on 12 Jun 2012	Zoward 1 2012
ok	PNY	SDHC	8	4	Premium (Toshiba SD-K08G)	Works with 2014-01-07-wheezy-raspbian	PotOfJav Feb 2014
nok	PNY	SDHC	8	4	Premium	mmc - mmc0: timeout waiting for hardware interrupt	Davidgyo Sep 2012
ok	PNY	SDHC	8	6			Threeday Jun 2012
nok	PNY	SDHC	8	6	P-SDHC8G6-EFS2	Raspian wheezy: mmc0 timed out; OpenELEC 3.2.4 not working	Gkoper 2 2014
ok	PNY	SDHC	8	10	P-SDHC8G10-GE	1 - Tested with 2013-02-09-wheezy. 2 - On Mac, dd to image did not work, but SD Card Builder did. Wheezy read and write right at about 20MBps. After booting, I installed several packages - all fine. After that, I installed RetroPie. That took about 15 hours to download and compile - zero errors.	1 - Zamb Mar 2013 RicM July 2013
ok	PNY	microSDHC	8	10		with adapter	Zulucat 6 2012
ok	PQI	SDHC	8	6		Works with official debian6-19-04-2012	Remick 1 2012
ok	PRETEC	SDHC	8	10	8DK52-122ME		ScorpAl 2012
nok	PRETEC	SDHC	8	10	233x (PC10SDHC08G)	mmc0: timeout waiting for hardware interrupt, Sometimes does not boot, kernel panic	Petacz 8 2012, DarkKnig 23 Jan 20
ok	promaster.com	SDHC	8	10		man:0x000027 oem:0x5048 name:SD08G hwrev:0x3 fwrev:0x0	Douglas Jones Jan
ok	Samsung	SDHC	8	6	MB-SS8GAEU		Dakaix 24 2012
ok	Samsung	SDHC	8	10	MB-MP8GA, MB-SP8GA/EU, MB-SP8GA/AM	Works with latest firmware (3.12.25+ #701) and some older Raspbian. On Raspbian 2014-06-20 fails when " Mounting local filesystems... mmc0: Timeout waiting for hardware interrupt - cmd12 ". Solution: Download latest firmware (https://github.com/raspberrypi/firmware/blob/master/boot/kernel.img) and overwrite the original on the BOOT partition.	Garrocha 2012, Fridata 1 2014
ok	Samsung	microSDHC	8	6	MMAGR08GUDCA-DB, MB-MS08DA		Ewindich 2012 Felc Jully 201
ok	SanDisk	SDHC	8	4		writes at ~1.5MB/s	Ms705 30 2012
ok	SanDisk	SDHC	8	4	Ultra BI1024716014G	labelled as 15MB/s	PhilH 3 J
ok	SanDisk	SDHC	8	4	SDSDB-008G-B35S / SDSDB-008G-B35	Raspbian "wheezy": used expand_rootfs option of sudo raspi-config command to make all 8GB available.	Swehner 2013, Baj 2013
ok	SanDisk	SDHC	8	4	SDSDB-008GBQ35 / 80-56-12024-008G	Tested OK with Retro Pie	HBG 22 2014
ok	SanDisk	SDHC	8	4	SDSDB3-008G-A16BJ / BJ's 3-pack	Tested OK with RISC OS	Lanulos 1 2013
nok	SanDisk	SDHC	8	6	Extreme (BI1101116253G)		Alex347 2012
ok	SanDisk	SDHC	8	6	Ultra SDSDH-008G-U46 / BI1131222083D, BI11321422083D (20 MB/s) & SDSDH-008G-T11 (30MB/s) & SDSDH2-008G-AC11	SDSDH2-008G-AC11 requires updated Squeeze or Wheezy beta (Jim Manley)	Dakaix 24 2012, Cro Jun 2012, Manley 2 2012
nok	SanDisk	SDHC	8	6	Ultra SDSDH-008G-U46 (BI1201421964G / BI1201221964G / BI1131222083D), SDSRH-008G-A11 & SDSDH-008G-T11 (30 MB/s)	Boots kernel but won't run init (mmc timeout waiting for interrupt) debian6-19-04-2012	Trebor27 2012 / Ru Apr 2012 ChuckHu May 2012 Ryantm 1 2012

ok	SanDisk	SDHC	8	10	Extreme (BI11017514367G / BI1130916254G / B11209116254G / SDSDX-008G-X46/BI1218822414G)	May need updated bootcode.bin (BELzEBUB), Confirmed on Debian Squeeze 2012-04-19 and Arch Linux 2012-06-13 (Arces), works with Raspian R3 (Histvan)	Timer 16 2012, BELzEBl Jun 2012, 9 Jul 201: Histvan 1 2012
ok	SanDisk	SDHC	8	10	Extreme (SDSDX-008G-X46/BI1111816252D)	tested on 2013-02-09 Raspian and Rasplex 0.1.37	Jahislove 2013
nok	SanDisk	SDHC	8	10	Extreme BI1108716254G, BI110209116254G		Dscott 23 2012, Ma May 201:
nok	SanDisk	SDHC	8	10	Extreme (BI1200916252D/SDSDX-008G-X46), BI1201416254G	Doesn't work with debian6-19-04-2012.img and with replacement kernel.img and start.elf (Weston). Doesn't work with Debian Wheezy beta (2012-06-18)(Halton). Doesn't work with Arch Linux 13/06/2012 (Madhur)	Weston 2 2012, Hal Jun 2012, Madhur 2 2012
ok	SanDisk	SDHC	8	10	Extreme Pro (SDSDXPA-008G-X46)	(95MB/s UHS-I) - Works with stock 2012-07-15-wheezy-raspbian	Incyi 28 J
ok	SanDisk	SDHC	8	10	Extreme Pro	Works with stock Arch Linux 2013-05-01	Perchrh 2 2012, Tiv 27 May 2 Perchrh 1 2013
ok	SanDisk	SDHC	8	10	Ultra SDSDU-008G-U46 (30 MB/s)	Works with debian6-19-04-2012 or raspbian images but not with OpenELEC r11212 (MrF). Works with OpenELEC r11493 (Vishnu vijay); works with 2013-09-25-wheezy-raspbian man:0x000003 oem:0x5344 name:SU08G hwrev:0x8 fwrev:0x0 (tswaehn)	MrF 6 Jur Vishnu vi Jul 2012, tswaehn 0 2013
ok	SanDisk	SDHC	8	10	Ultra SDSDU-008G-A11 (30 MB/s)	Works with raspbian images (blitzkrieg).	Blitzkrieg 2013
ok	SanDisk	SDHC	8	10	Ultra SDSDU-008G-T11 (30 MB/s)	Works with Arch Linux 20130813 (L. Snow).	L. Snow : 2013
ok	SanDisk	SDHC	8	10	Ultra SDSDU-008G-UQ46 (30 MB/s)	Works with Raspbian (wheezy) 3.10.21+ (Read ~18.6MB/s Write ~14.5MB/s) man:0x000003 oem:0x5344 name:SU08G hwrev:0x8 fwrev:0x0	Sauce 3 L 2013
ok	SanDisk	microSDHC	8	2			Fjen 12 M 2012
ok	SanDisk	microSDHC	8	4		with SanDisk microSD to SD adapter	Md84419 2012
ok	SanDisk	microSDHC	8	4	SDSDQM-008G-B35	man:0x000003 oem:0x5344 name:SU08G hwrev:0x8 fwrev:0x0	jonasbits 2013
nok	SanDisk	microSDHC	8	6	Mobile Ultra (SDSDQY-008G-U46A)	working with the latest firmware, won`t reboot when it`s hot	Sorinm 1 2012
ok	SanDisk	microSDHC	8	10	Ultra (SDSDQU-008G-U46) (30MB/s UHS-I)	tested and working on Raspbian wheezy (and RaspBMC)	Pepindur 2012
nok	SanDisk	microSDHC	8	10	SDSDQUA-008G-U46	doesnt work with raspbian,arch,noob-lite man:0x000015 oem:0x0100 name:VYL00M hwrev:0x0 fwrev:0x0	Freemind 2014
ok	SanDisk	microSDHC	8	10	Mobile Ultra (48MB/s UHS-I) (SDSDQUA-008G-U46A)	working with the latest firmware	pravin_ta 24 Nov 2
ok	Silicon Power	SDHC	8	10	SP008GBSDH010V10	Works fine 2012-12-16-wheezy-raspbian.img - Tested 14/01/2013	Thenix 14 2013
nok	Silicon Power	SDHC	8	10	SP008GBSDH010V10	Boots kernel but won't run init (mmc timeout waiting for interrupt) - Tested 20/11/2012, 2012-10-28-wheezy-raspbian.img with Nov 20 kernel	Xthexder 2012
ok	Silicon Power	microSDHC	8	10	S608G1202		Blutme 1 2012
ok	Sony	SDHC	8	4		(Write 11.8MB/s, Read 17.4MB/s)	Slabua 9 2012
ok	Sony	SDHC	8	10	UHS-1 SF8UX	Write 17.2 MB/s, Read 20.8 MB/s, Raspbian works while image copied using windows	Regi24 29 2012, Ha April 12, Hareesh (June 6, 2((Openele Image)
ok	Sony	SDHC	8	10	UHS-1 90MB/s SF-8UX man:0x000082 oem:0x4a54 name:NCard hwrev:0x0 fwrev:0x0	Perfect with Raspbian. With openELEC I get warnings in the logs (mmc0: DMA IRQ 6 ignored - results were reset - mmc0: missed completion of cmd 18 DMA (512/512 [1]/[1]) - ignoring it) (Write 16,9 MB/s, Read 21,1 MB/s)	Knopfler Jun 2013

ok	Sony	SDHC	8	10	UHS-I SF-8UY/TQ1 man:0x000082 oem:0x4a54 name:NCard hwrev:0x0 fwrev:0x2	Works fine with Raspbian. (Write 13.37 MB/s, Read 20.93 MB/s)	c5jirzex5 Nov 2013
ok	Strontium	SDHC	8	10	SD-T08G 1045 US6923 G (White Shell - SKU 8 886450 703492)		Ssb 25 Ju
ok	TDK	microSDHC	8	10		Works with Raspbian 2012-07-15	Backeby 2012
ok	TOPRAM	SDHC	8	6	TRSD8GC6	Works with OpenELEC (Frodo and Gotham test builds), did not test on anything else yet. Tested throughput: Seq Read: 43.9MB/sec Seq Write: 18.8MB/sec Random Read: 41.8MB/sec Random Write: 17.6MB/sec	JoeSchmu July 2013
ok	Toshiba	SDHC	8	4	SD-K08G(1223 W17218 P)	Tested with Raspbian 2012-12-16. Speed is 4MB/s write	rendyair 2013
ok	Toshiba	SDHC	8	10	PFS008U-1DCK (6/13)	Tested with Raspbian.	Rellermey Sep 2014
ok	Toshiba	microSDHC	8	?	SD-C08GJ(BL3A)	with adapter	Jannis 15 2012
ok	Toshiba	microSDHC	8	4	PFM008U-1DAK	works with openelec	akschu 26 2014
ok	Transcend	microSDHC	8	10	TS8GUSDHC10		Za Bullet May 2013
ok	Transcend	SDHC	8	10	TS8GSDHC10E	man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0	jmarin 22 2013
ok	Transcend	SDHC	8	4	TS8GSDHC4	(man:0x000003 oem:0x5344 name:SD08G hwrev:0x8 fwrev:0x0) - works with both Debian "squeezy" and Raspbian "wheezy" distributions (Hedj)	Attila.afra Apr 2012 24 Jul 20
ok	Transcend	SDHC	8	6	TS8GSDHC6-P2 - MMBFG08GWACA-M6	~5.8 MB/s read/write following the Performance below	Md84419 2011
ok	Transcend	SDHC	8	10	TS8GSDHC10		Selsinork 2012
ok	Transcend	SDHC	8	10	TS8GSDU1 UHC-I X300	Arch read/write 20,9/13,1 MB/s	30 Aug 2
ok	Transcend	SDHC	8	10	TS8GSDHC10U1 UHC-I X600	Arch read/write 21,1/15 MB/s	30 Aug 2
ok	Silicon Power	MicroSDHC	8	10	SP008GBSTH010V10SP	Read:15.7 MB/s Write:5.5 MB/s, (man:0x000082 oem:0x4a54 name:NCard hwrev:0x0 fwrev:0x2)	Thu 01 Ja
ok	Transcend	microSDHC	8	10	TS8GUSDU1	Works with 2014-06-20-wheezy-raspbian Works with RaspBMC in RPi Model B+	Elf98 15 2014 javierrgz 2014
ok	V-Gen	microSDHC	8	?		No problems.(man:0x000073 oem:0x4247 name:NCard hwrev:0x1 fwrev:0x0). Tested with Raspbian Wheezy & Raspbmc	Rendyair 2012
ok	Veho	SDHC	8	6	Ultra fast	(man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0) 7.8Mb/s. Slow but tested with Arch Linux	Johnlane 2012
ok	Verbatim	SDHC	8	10	43961		Petacz 13 2012
ok	Verbatim	SDHC	8	10	Premium	Tested with 2013-02-09 release of Raspbian Wheezy and Rasplex 0.1.37 - blue plastic version	Jahislove 2013
nok	Verbatim	SDHC	8	6	Go	tested with NOOBS 1.3.2 and Raspbian Wheezy 2013-09-25; mmc0: timeout waiting for hardware interrupt	marcel.ko Dec, 2013
nok	Verbatim	SDHC	8	10	Premium PSF8GSDHC10-PC	Tested with September release of Raspbian and Debian Wheezy - both fail to boot with mmc errors, confirmed fail with this black plastic version (may 2013)	XQx 31 O 2012 , co Jahislove 2013
nok	Verbatim	microSDHC	8	10	44012	ArchLinux - boots, but after system update develops segmentation faults	John.glas Jul 2012
nok	Verbatim	SDHC	8	10	43961	Raspbian - installs it but doesn't boot, repeatedly prints: 'timeout waiting for hardware interrupt'	Gkontada Aug 2013
ok	Adata	SDHC	4	4	ASDH4GCL4-R	Possibly a bit slow. Stiff to pull out of the PI.	James.C 2013
							Blutme 1

ok	Adata	SDHC	4	4	BH1109416141G		2012
nok	AmazonBasics	SDHC	4	10	B004Q3R9AQ	We have had a 50% failure rate on these with file system corruption, even with write protection enabled, with Raspian	pgardella 2013
ok	Centon	SDHC	4	10	4GBSDHC10		Dick Jones Sept 2013
nok	Dane-Elec	SDHC	4	4	DA-SD-4096-R	Error -110 whilst initialising sd card	captbrand Mar 2013
nok	Delkin	SDHC	4	6	Delkin pro	works with Fedora Beefy Miracle 17	Gersh 7 J
ok	Dick Smith	SDHC	4	4	XG4958		James.C 2013
ok	Duracell	SDHC	4	4			Semtex 2 2012
ok	Emtec	SDHC	4	4	EKMSD4G60XHCN		Korban 1 2012
ok	Hema (Dutch dept. store)	SDHC	4	?			Frankivo 2012
ok	ICIDU	SDHC	4	10			CurlyMo 2012
ok	Integral	SDHC	4	4	SD-K04G (purple label), SD-M04G		Dmd 27 A 2012
nok	Integral	SDHC	4	4	S404G1115		Pluggster May 2012
ok	Integral	SDHC	4	10	Ultima Pro		Ace 26 M 2012
ok	Kingmax	SDHC	4	2			Sorinm 1 2012
nok	Kingmax	microSDHC	4	4	KM04GMCSDHC4	won`t reboot when it`s hot	Sorinm 1 2012
ok	Kingston	SDHC	4	4	SD4/4GB		Rew 18 A 2012
ok	Kingston	SDHC	4	4	SD4/4GB SD-K04G		James.C 2 2013
nok	Kingston	SDHC	4	4	SD4/4GB SD-K04G	(man:0x000003 oem:0x5344 name:SD16G hwrev:0x8 fwrev:0x0), boots, (mmc0: timeout waiting for hardware interrupt, followed by continuous I/O errors, timeouts, etc), 2013-02-09-wheezy-raspbian	Bernard Ladenthin Mar 2013
nok	Kingston	SDHC	4	4	SD4/4GB SD-K04G	One or two worked perfectly, but most of them showed filesystem corruption after some months, usually (but not only) after power loss. Read-only filesystem didn't fix the issue. Tested on 20 SD card on 15 different Raspberry Pi model B.	Gabriele 23 Dec 20
nok	Kingston	SDHC	4	6		Boots kernel but won't run init (times out). (works fine - Malvineous)	RoSha 10 2012, Malvineo Jun 2012
ok	Kingston	SDHC	4	10	SD10V/4GB		Luismreis 2012
ok	Kingston	microSDHC	4	4			Bredman 2012
ok	Kingston	microSDHC	4	4	SDC4/4GB (CO4G)	Starts to boot and fails. "... Kernel panic ... unable to mount root fs on unknown block ... "	ow3n 4 O
ok	Kodak	SDHC	4	2			Semtex 2 2012
ok	Lexar	SDHC	4	4		Boots consistently and no error messages in log after 1/2 hour use (works with Raspbmc - 321liftoff)	Russell 2 2012
ok	Lexar	SDHC	4	6	Platinum II		Pdp7 25 A 2012
nok	Memory2Go	SDHC	4	6	S404G1029	I/O Errors leading to Kernel Panic on startup	Snohi 12 2012
nok	Microcenter	SDHC	4	4		hasn't worked with any of the images I've tried; appears to be completely unrecognized	Pnppl 11 2012
ok	Panasonic	SDHC	4	4			Mikerr 5 2012
ok	Panasonic	SDHC	4	10	UHS-I	(~11.2MB/s read, ~6.2MB/s write)	M4rcs 26 2012
ok	Panasonic	SDHC	4	10	RP-SDRB04G	Tested with Rasbian Wheezy	jwdietrich 2013
							jwdietrich

ok	Panasonic	SDHC	4	4	RP-SDLB04GAK	Tested with Pidora (Fedora)	2013
ok	Peak	microSDHC	4	4	MMBTR04GUBCA-ME	tested with Arch	Selsinork 2012
ok	Platinum	SDHC	4	6			Njoyard 6 2012
ok	Platinum	SDHC	4	10	127660	Tested with a Raspbian Wheezy using a custom and a stock kernel. Both Ok.	cpb 15 oc
ok	Play.com	SDHC	4	6	S4E3CD04GEFAA 0907090121106		JoeDaStu May 2012
ok	PNY	SDHC	4	4			Md84419 2012
ok	PNY	SDHC	4	4	Optima (SD-K04G 0834TT1297Y)		Weston 2 2012
ok	PNY	microSDHC	4	4		with adapter	Zulucat 2 2012
nok	Reekin	SD	4	?		doesn't boot	Nicobsa 2012
ok	Samsung	SDHC	4	?			Genocho 2012
ok	Samsung	SDHC	4	?			Genocho 2012
nok	Samsung	SDHC	4	4	MB-SS4G MBSS4GMBDDBA-DD	doesn't boot with 2012-07-15-wheezy-raspbian; OK light partially lit	Doctoruso Aug 2012
ok	Samsung	SDHC	4	4	MB-SS4GA MB-SS4GA/EU	works with 2014-01-07-wheezy-raspbian	Markus 2 2014
ok	SanDisk	SDHC	4	2	BH0820113475D	Tested with RPITC (Based on Raspbian Wheezy)	Rendyair 2012
nok	SanDisk	SDHC	4	2		Debian and xbmc boot, but fedora gets a lot of mmc0 note long write sync errors and then hc_xfer_timeout errors at the login prompt	Optim4l 2012
nok	SanDisk	SDHC	4	2	8H825413279G "Limited Edition"	Error -110 whilst initialising sd card	Jezmck 2 2012
ok	SanDisk	SDHC	4	4	SDSDB-004G-B35, BH1210821913G, SDSDB-004G-BT35		Md84419 2012, Nic Jul 2012, Ingestre 1 2012
nok	SanDisk	SDHC	4	4	BH1030216016G, BH1031116016G	Doesn't boot	SquallStr May 2012 Vk2amv 2012
nok	SanDisk	SDHC	4	4	Ultra (BH1028516076D)	Intermitant booting (1/50 power on), random timeout messages when it does boot	Russell 2 2012
nok	SanDisk	SDHC	4	4	Ultra (15MB/s) (SDSDH-004G-U46)	won`t reboot when it`s hot	Sorinm 1 2012
ok	SanDisk	SDHC	4	4	Ultra II		Britaniola 2012
ok	SanDisk	SDHC	4	6	Extreme III (30 MB/s)	works with 2012-10-28-wheezy-raspbian	JeffS 11 2012
nok	SanDisk	SDHC	4	6	Extreme III C6 (BH0822411730D)		Cmcr651 2012
nok	SanDisk	SDHC	4	6	Extreme III (30 MB/s) (BH0822712362G)		Jezmck 2 2012
ok	SanDisk	SDHC	4	6	Ultra SDSDH-004G-U46 - BH1136121837G, BH1130521822D, BH1200421822D (30MB/s)		Selsinork 2012 / Al May 2012 26 May 2
ok	SanDisk	SDHC	4	10	Extreme (BH10297143382G)		Wrdx 19 2012
nok	SanDisk	SDHC	4	10	Extreme (SDSDX-004G-X46)	30 MB/s HD Video - Doesn't boot - Works with new kernel.img and start.elf (Paaland), not working with new kernel.img and start.elf 17-06-2012 or "wheezy"-beta (MrF)	Paaland 2 2012, Mr Jun 2012
ok	SanDisk	SDHC	4	10	Extreme (SDSDX-004G-X46)	Works with RasPlex 0.3.1	Bellagio 2013
ok	SanDisk	microSDHC	4	2		with SanDisk microSD to SD adapter	Rew 24 A 2012
ok	SanDisk	microSDHC	4	4		with SanDisk microSD to SD adapter	Sleepy 1 2012

nok	SanDisk	microSDHC	4	6	Mobile Ultra	Boots kernel but won't run init (mmc timeout waiting for interrupt) - Jens Pedersen / (tried 15-06-2012 with kernel 19-04-2012) error -84 transferring data, kernel panic: no init found - Wieltje	Jens Pede... May 2012 Wieltje 1... 2012
ok	Silicon Power	microSDHC	4	6	SP004GBSTH006V10-SP		Csgabe 1... 2012
ok	Sony	SDHC	4	4	SF-4B4, SF-4N4	(Write 6MB/s, Read 20MB/s)	Krischapl... May 2012
ok	Sony	SDHC	4	10	UHS-1 40MB/s SF-4UY man:0x000027 oem:0x5048 name:SD04G hwrev:0x3 fwrev:0x0	Perfect with Raspbian. With openELEC I get warnings in the logs (mmc0: DMA IRQ 6 ignored - results were reset - mmc0: missed completion of cmd 18 DMA (512/512 [1]/[1]) - ignoring it) (Write 10,3MB/s, Read 18,8MB/s)	Knopfler... Jun 2013
ok	TakeMS	microSDHC	4	4		with TakeMS adapter	Delboy0 ... 2012
ok	TDK	SDHC	4	4	1008WW5261B		Pluggster... May 2012
ok	TDK	SDHC	4	6	S404G1113	Works with Debian Wheezy (2012-06-18 beta)	Dcuk 26 ... 2012
nok	TDK	SDHC	4	6	S404G1041, S404G1046	end May 2012, new kernel.img and start.elf, won't run init. 4 Jun 2012, debian6-19-04-2012.img, replacement kernel.img and start.elf from github. Got Error -84 and Kernel panic - not syncing: No init found	Ceptimus ... 2012, No... Jun 2012
ok	TDK	microSDHC	4	4	with Adapter (80-56-10301-004G)		Norbini 4... 2012
ok	Toshiba	SDHC	4	4	SD-K04G(1201 W12338 N) (labelled as Fujifilm SHDC 4GB class 4)	Tested with Raspbian 2013-11-18. Speed is 5MB/s write (1GB file)	captainda... 18 nov 20...
ok	Toshiba	microSDHC	4	4	SDC04G	with adapter - NOOBS v.1.3.4 cannot install the OS on the card but applying a OS image directly is working perfectly	elapdre 1... 2014
ok	Transcend	SDHC	4	4	TS4GSDHC4 - BH1130821915G	we've found these to work without any errors and offer reasonable performance	RasMyra... 2012
ok	Transcend	SDHC	4	6	TS4GSDHC6	no problems (does not work with Raspbmc as of 1 Jun 2012 - 321liftoff)	LakesGee... Apr 2012...
ok	Transcend	SDHC	4	10	TS4GSDHC10	Works fine running Raspbian and OpenELEC. Tested various cards from different batches.	Kiwisol 2... 2013
nok	Transcend	SDHC	4	10	TS4GSDHC10E, TS4GSDHC10	Corrupted when card image back up made mmc0: resetting ongoing cmd 25dma before 4096/4096 [1]/[1] complete mmc0: Timeout waiting for hardware interrupt - cmd12 mmcblk0: error -110 sending stop comment, original cmd response 0x900, card status 0xe00	Mfg 3 Jun... Thenix 14... 2013, Faz... Oct 2013 ...
ok	Traveller	SDHC	4	?	High Speed	Works with raspbian	Sega dud... 2012
nok	Veho	SDHC	4	6			Spaaa 5 J...
nok	Adata	SDHC	2	?	Speedy (MMAGF02GWMCA - NA)		Oostenvr... 2012
ok	Adata	SDHC	2	2	Speedy 8B0947		Stevhorn... 2012
ok	Emtec	SD	2	?		man:0x000027 oem:0x5048 name:SD02G hwrev:0x2 fwrev:0x0	Incyi 7 Ju...
ok	Hama	SDHC	2	2			Mikerr 5 ... 2012
ok	Kingston	SD	2		KING-SD-M02G-BULK	(0xAF 12 Jun 2012) boots the kernel, but damages the filesystem	Md84419... 2011, 0xA... Jun 2012
nok	Kingston	microSDHC	2		SD-CO2G	Does not boot. Capacity (1.97 GB) seems only just enough for 2013-02-09-wheezy-raspbian.img (1.94 GB).	Pe7er 18 ... 2013
ok	Kingston	microSDHC	2		N0185-002.A00LF	Adapter (File system .img written via Transcend microSDHC "USB stick-like" adapter - P3-102510)	TrevorGo... Jul 2012
ok	PNY	SD	2	?	SD-M02G		Ewindich... 2012
nok	SanDisk	SD	2	?	BE0916214253D		Mate1234... Aug 2012
ok	SanDisk	SD	2	?		Extreme III (BE0715105083B)	Dscott 23... 2012
nok	SanDisk	SD	2	?	Extreme III	(man:0x000003 oem:0x5344 name:SD02G hwrev:0x8 fwrev:0x0) - tested with Raspbian (build 2012-07-15) and Raspbmc installer (build	Boandlkr...

					(BE0722702998D)	2012-07-13)	Aug 2012
ok	SanDisk	SD	2	2	BE0816113150D	writes at 3.5 Mb/s	Elatllat 2? 2011
ok	SanDisk	SD	2	4	Ultra	15 MB/s	Md84419 Sept 2011
ok	SanDisk	SD	2	4	Ultra II, BE0719111366D		Md84419 2011, Oo Jul 2012
nok	SanDisk	SDHC	2	?	Ultra II BE0828713280D (15 MB/s)		Oostenvr 2012
ok	SanDisk	SD	2	6	Extreme III (BE0804212046D)	20 MB/s	Nooitaf 2 2012
ok	SanDisk	SD	2	?		SanDisk for Wii	Stevepdp 2012
nok	SanDisk	miniSDHC	2		Ultra II miniSD. BE07107FJE	Doesn't boot	Pe7er 18 2013
ok	TDK	SDHC	2 x 4	4	80-56-10275-004G	Debian works, mmc0 errors when booting Fedora	Melikesch 27 May 2
nok	Transcend	SD	2	?	6451AG 2G O2DS1		MaWe 13 2012
nok	Transcend	microSDHC	2	?	MMAGR02GUECA-MB	reads fine initially after image was written on a PC, gives mmc0 timeout errors reading back data after writing a large amount (in this case with 'pacman -Syu'). Still seems to work, but is *very* slow after this happens, even across reboots	Malvineo Jun 2012
ok	Walgreens Photo	SD	2	?		Works with raspbian, have not tested others	Sega dud 2012
ok	Walgreens Photo	SD	1	?		Works with raspbmc, have not tested others	Sp00l 21 2012

Performance

The following results have been reported by Users.

Terminal Commands

To obtain the results in the table, type the following lines at a command prompt. If you are running the GUI windows, open the Terminal application.

The **dd** command is the Linux block copy command. It reads from the **if=** file, in the first case a block of zeros, and writes to the **of=** file, in the first case the file named test.tmp in your HOME directory (the ~/ means your HOME directory). The **bs=** gives the size of the data, and the **count=** gives the number of times this is repeated. **sync** ensures that the filesystem cache is flushed to have more realistic data. Please run it multiple times, one sample is not scientific enough.

Write speed

```
sync; time dd if=/dev/zero of=~/test.tmp bs=500K count=1024; time sync
```

Read speed

```
dd if=~/test.tmp of=/dev/null bs=500K count=1024
```

Delete the temporary file

```
rm ~/test.tmp
```

Kernel version

```
uname -a
```

External Benchmarks

- http://www2.sakoman.com/OMAP/microsd-card-perfomance-test-results.html
- http://www.raspberrypi.org/phpBB3/viewtopic.php?f=2&t=4076

Is this reliable?

SD cards are given a rating (Class) by the manufacturers; the higher the rating the quicker the card. SD cards are usually used in a camera. The camera usually writes a block of data (a picture), then writes another. The SD card is tuned for this type of use. When used in the Raspberry Pi the data is written and read a lot more frequently, and from differing locations on the card. This difference in use means the manufacturers rating may not be as applicable for the Raspberry Pi.

SD card performance

The table can be sorted using the triangles in the top row. Please add entries in the correct location, so that the initial sort is by Manufacturer, Size, Type and Class

SD Card	Read (MB/s)	Write (MB/s)	Distro	Kernel	Notes
ADATA 8GB SDHC Class 10 (ASDH8GCL10-R)	19.6	18.8	2012-08-04 Debian Wheezy "Raspbian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
ADATA 8GB SDHC Class 10 (ASDH8GCL10-R)	18.2	12.4	2012-12-16 Debian Wheezy "Raspbian"	Linux raspberrypi 3.2.27+ #250 PREEMPT Thu Oct 18 19:03:02 BST 2012 armv6l GNU/Linux	
ADATA 16GB SDHC Class 10	19.5	16.9	2012-06-13 Arch Linux ARM	Linux alarmpi 3.2.27+ #60 PREEMPT Thu Aug 23 15:33:51 BST 2012 armv6l GNU/Linux	
ADATA 16GB SDHC Class 10	17.8	11.2	Debian Wheezy "Raspbian"	Linux raspberrypi 3.10.24+ #610 PREEMPT Thu Dec 12 13:12:09 GMT 2013 armv6l GNU/Linux	man:0x00001d oem:0x4144 name:SD hwrev:0x1 fwrev:0x0
ADATA 16GB SDHC Class 10 (ASDH16GUICL10-R)	18.5	9.9	archlinux-hf-2013-11-14	Linux alarmpi 3.10.25-1-ARCH #1 PREEMPT Mon Dec 23 16:07:25 MST 2013 armv6l GNU/Linux	
ADATA 16GB SDHC Class 10 (ASDH16GUICL10-R)	18.4	16.06	2014-01-07-wheezy-raspbian	Linux raspberrypi 3.10.25+ #622 PREEMPT Fri Jan 3 18:41:00 GMT 2014 armv6l GNU/Linux	Fresh install
ADATA 16GB SDHC Class 10 (AUSDH16GUICL10-R)	18.6	12.3	2014-07-08-wheezy-raspbian	Linux raspberrypi 3.12.22+ #691 PREEMPT Wed Jun 18 18:29:58 BST 2014 armv6l GNU/Linux	Fresh NOOBS install + apt-get upgrade
ADATA 32GB SDHC Class 10 (ASDH32GCL10-R)	20.1	6.4	2012-06-18-wheezy-beta	Linux raspberrypi 3.1.9+ #152 PREEMPT Fri Jul 6 18:47:16 BST 2012 armv6l GNU/Linux	
AmazonBasics SDHC Class 10 8GB	19.3	8.6	Debian Wheezy "Raspbian"	Linux massah 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
AmazonBasics SDHC Class 10 8GB	17	9.4	Debian Wheezy "Raspbian"	Linux massah 3.1.9+ #202 PREEMPT Wed Jul 25 22:11:06 BST 2012 armv6l GNU/Linux	Same board and card as above, slightly newer kernel.
Emtec SDHC 8GB class 10 (EKMSD8G150XHC)	20.3	14.6	Debian Wheezy "Raspbian"	Linux raspberrypi 3.2.27+ #250 PREEMPT Thu	Turbo mode = High (950/250/450MHz)

				Oct 18 19:03:02 BST 2012 armv6l GNU/Linux	
Extrememory SDHC 16GB class 10	4.7	4.5	Debian Wheezy "Raspbian"	Linux raspbian 3.1.9+ #52	
Extrememory SDHC 16GB class 10	11.3	5.4	Debian Wheezy "Raspbian"	Linux raspbian 3.1.9+ #101	init_emmc_clock=200000000 in config.txt
Extrememory SDHC 16GB class 10	18.2	6.3	Debian Wheezy "Raspbian"	Linux raspbian 3.1.9+ custom	kernel and firmware as of 17.06.2012, no extra option in config.txt
Extrememory SDHC 16GB class 10 (man:0x000012 oem:0x3456 name:F0F0F hwrev:0x1 fwrev:0x0)	16.9	10.7	archlinuxarm-13-06-2012	Linux alarmpi 3.1.9-25-ARCH+ #1 PREEMPT	
Extrememory SDHC 32GB class 10 (man:0x000003 oem:0x5344 name:SMI hwrev:0x1 fwrev:0x0)	18.7	16.5	archlinuxarm-13-06-2012	Linux alarmpi 3.1.9-25-ARCH+ #1 PREEMPT	
Farnell Branded (Samsung) SDHC 4GB Class 4 (MMBTF04GWBCA-ME)	20.1	6.9	Debian Wheezy Raspbian	Linux raspbian 3.1.9+ #168	Pi overclocked to 900 Mhz arm_freq and 500 Mhz sdram_freq
Fugi SDHC 32GB class 10 (P10NM00580A)	12.7	19.8	Debian Wheezy Raspbian	Linux raspbian 3.1.9+ #168	man:0x000073 oem:0x4247 name:NCard hwrev:0x1 fwrev:0x0
GoodRAM SDHC 16GB Pro class 10 (SDC16GHC10PGRR9)	19.4	18.0	Debian Wheezy Raspbian	Linux raspbian 3.1.9+ #272	
Integral SDHC 16GB class 10	17.7	19.6	Debian Wheezy Raspbian	Linux raspbian 3.1.9+ #168	
Kingmax 8GB microSDHC Class 4 (KM08GMCSDHC41A)	13.6	3.7	Debian Wheezy Raspbian	Linux 3.1.9+ #242 PREEMPT Wed Aug 1 19:47:22 BST 2012	
Kingston SDHC 4GB class 4	4.5	4.1	Debian Squeeze "debian6-19-04-2012"	Linux raspberrypi 3.1.9+ #52 Tue May 8 23:49:32 BST 2012	
Kingston SDHC 4GB class 4	4.2	2.5	archlinuxarm-19-04-2012	Linux alarmpi 3.1.9-13+ #6 Thu May 10 00:48:37 UTC 2012	Identical card to one above. One to look into, as I was expecting Arch to be faster...
Kingston uSDHC 4GB class 4	4.0	3.8	Debian Squeeze	Linux 3.1.9+ #90	
Kingston uSDHC 8GB class 4 (SDC4/8GB)	4.7	3.7	archlinuxarm-29-04-2012	Linux alarmpi 3.1.9+ #66 Thu May 17 16:56:20 BST 2012	CrystalDiskMark results (FAT32) (http://dl.dropbox.com/u/268147/rpi/Kingston_uSD_8GB_CDM_Bench.zip) This is my only card that can be counted on to boot up on each plug-in.
Kingston microSDHC 8GB Class 10	14.5	8.1	Debian Wheezy "Raspbian"	Linux Rpi 3.12.24+ #694 PREEMPT Tue Jul 15 17:34:35 BST 2014 armv6l GNU/Linux	Felon 07 Jully 2014
Kingston microSDHC 16GB class 4	17.1	5.1	2013-02-09 Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #371 PREEMPT Thu Feb 7 16:31:35 GMT 2013 armv6l GNU/Linux	
Kingston microSDHC 16GB class 10	20.1	13.4	2013-02-09 Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #371 PREEMPT Thu Feb 7 16:31:35 GMT 2013 armv6l GNU/Linux	
				Linux raspberrypi	

Kingston microSDHC 32GB class 10	17.9	10.9	2013-02-09 Debian Wheezy "Raspbian"	3.12.22+ #691 PREEMPT Wed Jun 18 18:29:58 BST 2014 armv6l GNU/Linux	
Kingston SDHC 8GB Class 4 (SD4/8GB)	16.2	5.2	2013-12-20 Debian Wheezy "Raspbian"	Linux RaspberryPi 3.10.24+ #614 PREEMPT Dec 19 20:38 GMT 2013 armv6L GNU/Linux	
Kingston SDHC 8GB class 4 (SD4/8GB)	4.6	3.0	archlinuxarm-29-04-2012	Linux alarmpi 3.1.9+ #66 Thu May 17 16:56:20 BST 2012	CrystalDiskMark results (FAT32) (http://dl.dropbox.com/u/268147/rpi/Kingston_SD4-8GB_CDM_Bench.zip)
Kingston SDHC 8GB class 4 (SD4/8GB)	13.2	3.4	Hexxeh Raspbian r3	Linux raspbian 3.1.9+ #202 PREEMPT Wed Jul 25 22:11:06 BST 2012 armv6l GNU/Linux	man:0x000002 oem:0x544d name:SA08G hwrev:0x1 fwrev:0x0
Kingston SDHC 8GB Class 10 (SD10V/8GB)	16.2	9.9	2013-12-20 Debian Wheezy "Raspbian"	Linux RaspberryPi 3.10.24+ #614 PREEMPT Dec 19 20:38 GMT 2013 armv6L GNU/Linux	
Kingston SDHC 32GB class 10	10.8	8.1	Fedora 17 ARM snapshot 07 May 2012	Linux fedora-arm 3.1.9 #1	mmc0: note - long write sync 1453000ns - 14608 its. - kernel/module problems?
Kingston SDHC 32GB class 10	4.7	4.1	Fedora 17 ARM nightly snapshot	Linux fedora-arm 3.1.9+ #101 PREEMPT Mon Jun 4 17:19:44 BST 2012	custom kernel from raspberrypi github - no more mmc0 sync problems
Kingston SDHC 32GB class 10	4.6	3.5	Debian Squeeze "debian6-19-04-2012"	Linux raspberrypi 3.1.9+ #90	
Lexar Platinum II SDHC 8GB Class 10 UHS-I	18.5	9.1	2013-12-20 Debian Wheezy "Raspbian"	Linux RaspberryPi 3.10.24+ #614 PREEMPT Dec 19 20:38 GMT 2013 armv6L GNU/Linux	
Noname uSDHC 16GB class 4	18.5	2.6	Raspmc	Linux raspbmc 3.2.27 #1 PREEMPT Mon Nov 5 20:50:02 UTC 2012 armv6l GNU/Linux	
Panasonic SDHC 8GB class 6	4.8	4.4			
Panasonic SDHC 8GB class 4	11.1	9.7	Debian Wheezy "Rasbpian"	Linux rpi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
Platinum SDHC 8GB class 10	14.9	13.9	Arch Linux ARM "hf-2013-02-11"	Linux alarmpi 3.6.11-9-ARCH+ #1 PREEMPT Sat Mar 30 02:38:20 UTC 2013 armv6l GNU/Linux	
Patriot microSDHC 16GB Class 10 (PSF16GMSHC10)	9.5	5.2	Fedora 14	Linux raspi 3.1.9+ #101	init_emmc_clock=200000000 in config.txt
Patriot SDHC 16GB Class			Debian Wheezy	Linux raspberrypi 3.1.9+ #168	

10 (PSF16GSDHC10)	19.3	9.3	"Rasbpian"	PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
Patriot SDHC 32GB Class 10 UHS-1 (PEF32GSDHC10U1)	20.4	12.1	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
Samsung SDHC 16GB Class 10 (MB-SPAGA)	10.7	8.8	Fedora 17 ARM snapshot 07 May 2012 - GUI release	Linux fedora-arm 3.1.9 #1	Had "long write sync" errors, slow boot times and then system instability using USB port on Macbook, switched to iPhone charger (5V 1A) and warning disappeared
Samsung SDHC 16GB Class 10 (MB-SPAGA)	19.6	18.7	Debian Wheezy "Raspbian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armvl GNU/Linux	(Same user / card as above, definitely notable that Raspbian is superior)
Samsung SDHC 16GB Class 10 (MB-SPAGC)	18.5	12.2	Debian XFCE pipplware	Linux raspberrypi 3.10.33+ #356 PREEMPT Tue Mar 18 17:35:55 GMT 2014 armv6l GNU/Linux	djayor 9 May 2014
Samsung SDHC 4GB Class 4 (MB-SS4GA/EU)	17.7	8.1	Debian Wheezy "Raspbian"	Linux raspberrypi 3.10.25+ #622 PREEMPT Fri Jan 3 18:41:00 GMT 2014 armv6l	Markus 2014/02/24
Samsung microSDHC 8GB Class 6 (MB-MS08DA/EU)	17.8	6.3	Debian Wheezy "Raspbian"	Linux Rpi 3.12.24+ #694 PREEMPT Tue Jul 15 17:34:35 BST 2014 armv6l GNU/Linux	Felon 07 Jully 2014
Samsung SDHC 32GB Class 6	21.6	17.4	Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #474 PREEMPT Thu Jun 13 17:14:42 BST 2013 armv6l GNU/Linux	-
Samsung microSDHC 16GB Class 10 (MB-MPAGA/US)	19.8	15.8	Debian Wheezy "Raspbian"	Linux pisces 3.1.9+ #155 PREEMPT Mon Jul 9 12:49:19 BST 2012 armv6l GNU/Linux	-
Samsung microSDHC 16GB Class 4 (MB-MS4GA/US)	19.2	5.5	Debian Wheezy "Raspbian"	?	-
Samsung microSDHC 16GB Class 10 (MB-MPAGAEU)	21.7	11.2	Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #538 PREEMPT Fri Aug 30 20:42:08 BST 2013 armv6l GNU/Linux	man:0x00001b oem:0x534d name:00000 hwrev:0x1 fwrev:0x0 512Mb version of Raspberry Pi
SanDisk Extreme III 2GB Class 10 (BE07054050838)	23.3	21.5	Raspbmc	Linux raspbmc 3.2.27 #1 PREEMPT Mon Nov 5 20:50:02 UTC arm61 GNU/Linux	512Mb version of Raspberry Pi
SanDisk microSD 2GB	4.7	4.2	archlinuxarm-29-04-2012	Linux alarmpi 3.1.9+ #66 Thu May 17 16:56:20 BST 2012	CrystalDiskMark results (FAT32) (http://dl.dropbox.com/u/268147/rpi/SanDisk_2GB_uSD_CDM_Bench.zip) Card has no serial/is likely a fake.

SanDisk Ultra SDHC 4GB class 4	4.7	4.4	Raspbian Wheezy	Linux raspberry-pi 3.1.9+ #1 PREEMPT Wed Jun 6 16:26:14 CEST 2012 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SD04G hwrev:0x8 fwrev:0x0
SanDisk Ultra II SDHC 4GB class 4 (15 MB/s)	20.9	14.6	Raspbian Wheezy	Linux raspberry-pi 3.1.9+	
SanDisk SDHC 8GB class 4	11.1	5.6	Raspbian Wheezy	Linux raspberrypi 3.1.9+ #202 PREEMPT	After Hexxeh rpi-update. man:0x000003 oem:0x5344 name:SD08G hwrev:0x8 fwrev:0x0
SanDisk SDHC 4GB class 4	11.15	5.15	Raspbian Wheezy	Linux raspberrypi 3.6.11+ #456 PREEMPT	man:0x000003 oem:0x5344 name:SD04G hwrev:0x8 fwrev:0x0
SanDisk SDHC 8GB class 4	4.7	3.2	Debian Squeeze		
SanDisk Ultra SDHC I 8GB class 6 "30MB/s*"	19.5	7.6	archlinuxarm	3.1.9-22-ARCH+ #1 PREEMPT Sun Jun 17 13:54:30 UTC 2012	"mmc0: error -84 whilst initialising SD card" at bootup, but works fine
SanDisk Ultra SDHC I 8GB class 10 "30MB/s*"	19.3	3.2	Raspbian Wheezy	3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012	
SanDisk Ultra SDHC I 8GB class 10 "30MB/s* (SDSDU-008G-UQ46)"	18.6	14.5	Raspbian GNU/Linux 7 (wheezy)	Linux raspberrypi 3.10.21+ #604 PREEMPT Mon Dec 2 20:17:09 GMT 2013 armv6l GNU/Linux	
SanDisk Ultra SDHC I 8GB class 10 "30MB/s*"	13.6	14.5	raspbmc rc3	Linux raspbmc 3.1.9-test-12-06 #1 PREEMPT Mon Jun 18 20:07:45 UTC 2012 armv6l GNU/Linux	
SanDisk Ultra SDHC II 16GB class 2 "15MB/s*"	16.7	16.2	Raspbian Wheezy	3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012	man:0x000003 oem:0x5344 name:SD16G hwrev:0x8 fwrev:0x0
SanDisk Ultra SDHC 16GB class 10 UHS-1 "30Mb/s" (SDSDU-016G-U46)	20.9	18.1	Raspbian Wheezy	Linux raspberrypi 3.1.9+ #202 PREEMPT	After Hexxeh rpi-update. man:0x000003 oem:0x5344 name:SU16G hwrev:0x8 fwrev:0x0
SanDisk Ultra SDHC 16GB class 10 "30Mb/s" (SDSDU-016G-U46)	20.9	10.9	Raspbian Wheezy	Linux raspberrypi 3.6.11+ #371 PREEMPT	
SanDisk Ultra SDHC 32GB class 10 "30Mb/s" (SDSDU-032G-U46)	18.3	8.8	Raspbian Wheezy	Linux raspberrypi 3.12.19+ #684 PREEMPT	man:0x000003 oem:0x5344 name:SU32G hwrev:0x8 fwrev:0x0
SanDisk Ultra SDHC 16GB class 10 "30MB/s" (SDSDU-016G-U46S)	21.6	15.2	2013-02-09-wheezy-raspbian	Linux raspberrypi 3.6.11+ #371 PREEMPT Thu Feb 7 16:31:35 GMT 2013 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SU16G hwrev:0x8 fwrev:0x0
SanDisk Extreme SDHC I 4GB class 10 "30MB/s"	19.7	21.0	2012-07-15-wheezy-raspbian	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	Only boots with images with new firmware, didn't boot with previous images.
				Linux raspi 3.1.9-	

SanDisk Extreme SDHC I 8GB class 10 "30MB/s"	17.7	19.7	Archlinuxarm 2012-06-13	28-ARCH+ #1 PREEMPT Fri Jul 6 23:07:26 UTC 2012 armv6l GNU/Linux	
SanDisk Extreme SDHC I 8GB class 10 "30MB/s"	17.2	10.6	RISC OS 5.21 (04-Jun-2014)	RC12a	
SanDisk Extreme SDHC UHS-I 32GB class 10 "30MB/s"	21.4 / 18.4	19.5 / 22.2	2012-10-28-wheezy-raspbian	Linux raspberrypi 3.2.27+ #250 PREEMPT Thu Oct 18 19:03:02 BST 2012 armv6l GNU/Linux	
SanDisk microSDHC UHS-I 32GB class 10 "30MB/s"	21.1	10.9	2013-02-09 Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #371 PREEMPT Thu Feb 7 16:31:35 GMT 2013 armv6l GNU/Linux	
SanDisk Ultra microSDHC 32GB class 10 "48MB/s" (SDSDQUN-032G-FFP-A)	18.5	10.8	Debian Wheezy "Raspbian"	Linux raspberrypi 3.12.28+ #709 PREEMPT Mon Sep 8 15:28:00 BST 2014 armv6l GNU/Linux	Raspberry Pi B+, 2014-12-20
SanDisk Extreme SDHC UHS-I 16GB class 10 "45MB/s" (SDSDX-016G-X46)	21.1	20.8	2012-09-18-wheezy-raspbian	Linux raspberrypi 3.2.27+ #160 PREEMPT Mon Sep 17 23:18:42 BST 2012 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SU16G hwrev:0x8 fwrev:0x0
Sandisk Extreme microSDHC UHS-I 16GB	18.8	18.2	2014-09-09-wheezy-raspbian on Model B+	Linux raspberrypi 3.12.28+ #709 PREEMPT Mon Sep 8 15:28:00 BST 2014 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SE16G hwrev:0x8 fwrev:0x0
SanDisk Extreme SDHC UHS-I 32GB class 10 "45MB/s" (SDSDX-032G-X46)	20.96	17.9	2013-05-20-wheezy-raspabian	Linux raspberrypi 3.6.11+ #456 PREEMPT	man:0x000003 oem:0x5344 name:SU32G hwrev:0x8 fwrev:0x0
SanDisk Extreme PLUS SDHC UHS-I 32GB class 10 "80MB/s" (SDSDXS-032G-A46)	18.7	16.5	Debian Wheezy "Raspbian"	Linux raspberrypi 3.12.22+ #691 PREEMPT Wed Jun 18 18:29:58 BST 2014 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SE32G hwrev:0x8 fwrev:0x0
SanDisk SDHC 32GB class 6	4.6	4.8			
SanDisk uSDXC 64GB class 6	4.9	3.8	archlinuxarm-29-04-2012	Linux alarmpi 3.1.9+ #66 Thu May 17 16:56:20 BST 2012	CrystalDiskMark results (FAT32) (http://dl.dropbox.com/u/268147/rpi/SanDisk_64GB_uSDXC_CDM_Bench.zip)
Silicon Power 8GB class 10 (SP008GBSDH010V10)	15.6	11.7	Debian Wheezy "Raspbian" (2012-12-16)	Linux raspberrypi 3.2.27+ #250 PREEMPT Thu Oct 18 19:03:02 BST 2012 armv6l GNU/Linux	
Sony 8GB class 10 (SF-8UY/TQ1)	20.9	13.4	Debian Wheezy "Raspbian" (2013-09-25)	Linux raspberrypi 3.6.11+ #538 PREEMPT Fri Aug 30 20:42:08 BST 2013 armv6l GNU/Linux	man:0x000082 oem:0x4a54 name:NCard hwrev:0x0 fwrev:0x2
				Linux pisys	

TakeMS SDXC 64GB, Class 10	16.9	8.2	Debian Wheezy "Raspbian" (2013-06-02)	3.6.11+ #456 PREEMPT Mon May 20 17:42:15 BST 2013 armv6l GNU/Linux	Pi B overclocked arm_freq=1000 core_freq=500 sdram_freq=600 over_voltage=6
TDK microSDHC 4GB, Class 4 (80-56-10301-004G)	11.2	4.7	Debian Wheezy "Raspbian" (2012-07-15)	3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012	
Toshiba SD-T16G SDHC 16GB, Class 10 (1046 US7022 C)	20.6	13.5	Debian Wheezy "Raspbian"	3.1.9+ #272 PREEMPT Tue Aug 7 22:51:44 BST 2012 armv6l GNU/Linux	
Toshiba microSDHC 4GB Class 4	17.8	10.4	Debian Wheezy "Raspbian"	Linux raspberrypi 3.12.28+ #709 PREEMPT Mon Sep 8 15:28:00 BST 2014 armv6l GNU/Linux	
Transcend microSDHC 16GB Class 10 (16GBBEU300A)	17.7	9	Debian Wheezey 7.6 "Raspbian"	Linux raspbian 3.12.28+ #709 PREEMPT Mon Sep 8 15:28:00 UTC 2014 armv6l GNU/Linux	2014-10-05 by @xhark
Transcend SDHC 8GB Class 10 (TS8GSDHC10E)	22.2	17.1	2013-04-22 Raspbmc	Linux raspbmc 3.6.11 #2 PREEMPT Wed Mar 13 17:12:47 UTC 2013 armv6l GNU/Linux	Pi overclocked toarm_freq=840, core_freq=350, gpu_freq=253
Transcend SDHC 8GB Class 10 (TS8GSDHC10E)	15.9	17.5	Debian Wheezy "Raspbian"	Linux RaspberryPi 3.12.22+ #691 PREEMPT Wed Jun 18 18:29:58 BST 2014 armv6l GNU/Linux	stock clock speed
Transcend microSDHC 8GB Class 10 (TS8GUSDHC10)	20.2	11.2	Debian Wheezy "Raspbian"	Linux raspberrypi 3.1.9+ #272 PREEMPT Tue Aug 7 22:51:44 BST 2012 armv6l GNU/Linux	
Transcend SDHC 8GB class 6	5.8	5.8			
Transcend SDHC 8GB Class 6 (TS8GSDHC6)	4.6	4.0	Debian Squeeze "debian6-19-04-2012"	Linux raspberrypi 3.1.9+ #90 Wed Apr 18 18:23:05 BST 2012 armv6l GNU/Linux	Tested with dd. Card doesn't maintain the promised minimum class speed.
Transcend SDHC 8GB Class 4 (TS8GSDHC4)	11.1	8.1	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SD08G hwrev:0x8 fwrev:0x0
Transcend microSDHC 8GB Kit, Class 4 (TS8GUSDHC4)	4.7	3.7	Raspbian Wheezy	Linux raspberry-pi 3.1.9+ #1 PREEMPT Wed Jun 6 16:26:14 CEST 2012 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SU08G hwrev:0x8 fwrev:0x0
Transcend SDHC 8GB Class 10 (TS8GSDHC10)	4.6	4.6	Debian Squeeze "debian6-19-04-2012"	Linux raspberrypi 3.1.9+ armv6l GNU/Linux	

Transcend SDHC 8GB Class 10 (TS8GSDHC10)	19.5	18.5	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Tue Aug 7 22:51:44 BST 2012 armv6l GNU/Linux	
Transcend SDHC 8GB Class 10 (TS8GSDU1) UHC-I X300	20.9	13.1	Linux alarmpi 3.6.11-14-ARCH+ #1 PREEMPT Sun Jul 21 17:39:58 CDT 2013 armv6l GNU/Linux	Arch Linux	
Transcend SDHC 8GB Class 10 (TS8GSDHC10U1) UHC-I X600	21.1	15	Linux alarmpi 3.6.11-14-ARCH+ #1 PREEMPT Sun Jul 21 17:39:58 CDT 2013 armv6l GNU/Linux	Arch Linux	
Transcend SDHC 8GB Class 10 (TS8GSDHC10U1) UHC-I X600	18.5	12.4	Debian Wheezy (Raspbian 2014-01-07)	Linux raspi 3.10.25+ #622 PREEMPT Fri Jan 3 18:41:00 GMT 2014 armv6l GNU/Linux	man:0x000074 oem:0x4a45 name:SDU1 hwrev:0x0 fwrev:0x2
Transcend SDHC 4GB Class 6	9.8	8.8	Fedora Remix FC14	Linux raspi 3.1.9 #1 PREEMPT Sat Mar 3 21:58:00 UTC 2012 armv6l armv6l armv6l GNU/Linux	Not sure why this setup is faster than others, test results repeatable.
Transcend SDHC 4GB Class 10 (TS4GSDHC10)	17.6	12.1	Debian Wheezy "Rasbpian" (2012-10-28)	Linux raspberrypi 3.2.27+ #250 PREEMPT Thu Oct 18 19:03:02 BST 2012 armv6l GNU/Linux	
Transcend SDHC 16GB Class 10	20.3	11.9	Debian Wheezy "Rasbpian"	Linux raspberry-pi 3.1.9-cutdown+ #173	
Transcend SDHC 16GB Class 10	17.4	12.0	Debian Wheezy (2012-08-08-wheezy-armel)	Linux raspberrypi 3.2.27+ #160 PREEMPT Mon Sep 17 23:18:42 BST 2012 armv6l GNU/Linux	man:0x000074 oem:0x4a45 name:SDC hwrev:0x1 fwrev:0x0
Transcend SDHC 16GB Class 10	18.6	11.2	Raspbian Wheezy	Linux raspberrypi 3.12.20+ #687 PREEMPT Fri May 30 16:39:11 BST 2014 armv6l GNU/Linux	hwrev:0x0 fwrev:0x2 man:0x000074 oem:0x4a45 After 2 months of use as a home server
Transcend SDHC 16GB Class 10 UHS-I Premium 300x	21.4	9.6	Debian Rasbpian Wheezy (2013-09-25)	Linux raspberrypi 3.6.11+ #538 PREEMPT Fri Aug 30 20:42:08 BST 2013 armv6l	
Transcend SDHC 32GB Class 10 (TS32GSDHC10E)	20.3	15.3	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #242 PREEMPT Wed Aug 1 19:47:22 BST 2012 armv6l GNU/Linux	man:0x000074 oem:0x4a45 name:SDC hwrev:0x1 fwrev:0x0
Transcend MicroSDHC 32GB Class 10 UHS-I (Premium 300x)	18.5	10.4	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.12.28+ #709 PREEMPT Mon Sep 8 15:28:00 BST 2014 armv6l GNU/Linux	

Transcend MicroSDXC 64GB Class 10 UHS-I (Premium 300x)	18.5	15.7	ARM Arch Linux	Linux alarmpi 3.12.28-2-ARCH #1 PREEMPT Mon Sep 22 02:02:11 MDT 2014 armv6l GNU/Linux	
Sandisk Extreme Pro SDHC 8GB Class 10 UHS-I	21.6	21.7	Arch Linux	Linux alarmpi 3.6.11-11-ARCH+ #1 PREEMPT Tue May 14 16:12:58 UTC 2013 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SU08G hwrev:0x8 fwrev:0x0
Sandisk Extreme Pro SDHC 16GB Class 10 UHS-I (SDSDXPA-016G-A75)	21.6	21.7	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.2.27+ #160 PREEMPT Mon Sep 17 23:18:42 BST 2012 armv6l GNU/Linux	
SanDisk Extreme Pro SDHC 16GB Class 10	20.8	18.6	Debian Wheezy "Raspbian"	Linux raspberrypi 3.1.9+ #125 PREEMPT Sun Jun 17 16:09:36 BST 2012 armv6l GNU/Linux	
Sandisk Ultra SDHC I Class 6 ("30MB/s")	4.7	4.8	Debian Wheezy "Raspbian"	3.2.18+ #3 PREEMPT	Feels faster than my Kingston 4GB Class 4 card.
Sony 8GB SDHC Class 4	17.4	11.8	Debian Wheezy Raspbian	Linux 3.1.9+ #272 PREEMPT Tue Aug 7 22:51:44 BST 2012	
WINTEC FileMate Professional SDHC 16GB Class 10 (3FMSD16GBC10-R)	4.6	4.5	Debian Squeeze "debian6-19-04-2012"	Linux raspberrypi 3.1.9+ #95 PREEMPT Thu May 31 13:21:40 BST 2012 armv6l GNU/Linux	After installing new kernel with rpi-update on 2012-06-01
Lexar SDHC 8GB Class 4 "Multi-use"	18.9	6.8	Debian Wheezy "Raspbian"	3.1.9+ #110 PREEMPT	
Lexar SDHC 8GB Class 6 "PLATINUM II"	19.7	10.1	Debian Wheezy "Raspbian"	3.1.9+ #168 PREEMPT	
Lexar SDHC 16GB Class 10 "PLATINUM II"	5.3	4.8	Debian Wheezy/sid	Linux raspberrypi 3.2.19-rpi1+ #3	
Lexar SDHC 16GB Class 10 "PLATINUM II"	18.9	9.0	Debian Wheezy "Raspbian"	Linux raspbian 3.1.9+ #168 PREEMPT	Same card as 'Lexar SDHC 16GB Class 10 "PLATINUM II"' above - imaged with Raspbian
Lexar SDXC 64GB UHS-I Class 10 Premium series	20.7	15.8	Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #371 PREEMPT Thu Feb 7 16:31:35 GMT 2013 armv6l GNU/Linux	
Lexar SDHC 8GB UHS-I Class 10 Premium series	19.4	8.8	raspbmc-rls-1.0-hardfp-b20131223-u20131223	Linux raspbmc 3.10.24 #2 PREEMPT Mon Dec 23 05:18:12 UTC 2013 armv6l GNU/Linux	man:0x000028 oem:0x4245 name: hwrev:0x0 fwrev:0x2
Mushkin SDHC 16GB Class 10 MKNSDHCC10-16GB	19.7	10.9	2012-07-15-wheezy-raspbian	3.1.9+ #168 PREEMPT	
PNY SDHC 8GB Class 6 Limited Edition	7.4	13.2	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat	

				Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
PNY SDHC 32GB Class 10 Elite Performance	20.4	15.4	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.6.11+ #456 PREEMPT armv6l sys v.3.3.3	avoid_pwm_pll=1 arm_freq=1000 gpu_freq=675 sdram_freq=500 core_freq=275 over_voltage=6
SanDisk MicroSDHC 4GB	5.1	11.4	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #168 PREEMPT Sat Jul 14 18:56:31 BST 2012 armv6l GNU/Linux	
SanDisk UHS-I C10 Ultra SDHC 8GB (SDSDU-008G-U46)	19.1	20.8	Debian Wheezy "Rasbpian"	Linux raspberrypi 3.1.9+ #272 PREEMPT Tue Aug 7 22:51:44 BST 2012 armv6l GNU/Linux	
SanDisk Ultra SDHC 8GB class 10 (30 MB/s)	21.7	15.7	Debian Wheezy "Raspbian"	Linux raspberrypi 3.6.11+ #434 PREEMPT Wed May 1 21:13:52 BST 2013 armv6l GNU/Linux	man:0x000003 oem:0x5344 name:SU08G hwrev:0x8 fwrev:0x0 (some read time trials with drop caches: 21.0/21.7/21.8/21.8/21.8/(write#2:)21.7; two write trials: 15.7/15.8; timings (dd;sync): 33.761;5.799)
Panasonic SDHC 4GB Class 10 UHS-I	11.2	6.2	Debian Wheezy "Raspbian"	3.1.9+ #144 PREEMPT	Panasonic RP-SDU04GE1K
Sony SDHC 8GB Class 10 UHS-1	20.8	17.2	Debian Wheezy "Raspbian"	3.2.27+ #250 PREEMPT	
Sony SDHC 4Gb Class 10 UHS-I "40MB/s" (SF-4UY)	18.8	10.3	openELEC 3.0.6	Linux openelecPi 3.6.11 #1 PREEMPT Thu Jun 13 21:32:37 CEST 2013 armv6l GNU/Linux	man:0x000027 oem:0x5048 name:SD04G hwrev:0x3 fwrev:0x0
Sony SDHC 8Gb Class 10 UHS-I "90MB/s" (SF-8UX)	21.1	16.9	Raspbian 2013-05-25-wheezy	Linux raspberrypi 3.6.11+ #456 PREEMPT Mon May 20 17:42:15 BST 2013 armv6l GNU/Linux	man:0x000082 oem:0x4a54 name:NCard hwrev:0x0 fwrev:0x0
Sony SDHC 16Gb Class 10 UHS-I "40MB/s"	21.8	13.5	Raspbian 2013-07-26-wheezy	Linux raspberrypi 3.6.11+ #474 PREEMPT Thu Jun 13 17:14:42 BST 2013 armv6l GNU/Linux	
SanDisk Ultra 16GB MicroSDHC Class 10 UHS-1 + Adapter "30MB/s" (SDSDQUA-016G-U46A)	18.5	7.3	Raspbian 2014-01-07 wheezy	Linux mmmpie 3.10.25+ #622 PREEMPT Fri Jan 3 18:41:00 GMT 2014 armv6l GNU/Linux	

SD(DC|DX] Card Class 6 & 10 Hints with OverClockings

| SD card usage Hints with OverClocking (http://elinux.org/index.php?title=RPiconfig&section=14) 🍓 Back to the Hub

References

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