How to choose my board ?

Moved to Choose a Single Board Computer. Page will stay up for historical reasons.

Strong points to pay attention at

- performances : which systems does the board support (and with which performance)
- cost
- size of the board : single board compute (SBC) versus computers
- transportabilty : some boards have a battery and a screen embedded
- gpio : do i want to plug hardware using the gpio

Resume

Board	Price	Performances	Systems availables (that are not common to all boards)	Specificities
Raspberry Pi 0/1/2	< 50€	2/10		good gpio support
Raspberry Pi 3	< 50€	3/10	dreamcast, psp	good gpio support
Raspberry Pi 4	< 50€	4/10	dreamcast, psp, saturn	good gpio support
Odroid C4	< 100€	4/10	dreamcast, psp, saturn	
Odroid N2	< 100€	5/10	dreamcast, psp, saturn, gamecube (low performances)	
Odroid N2+	< 150€	6/10	dreamcast, psp, saturn, gamecube (ok performances)	
Khadas VIM3	< 150€	6/10	dreamcast, psp, saturn, gamecube (ok performances)	
Odroid Go Advance	< 100€	4/10	dreamcast, psp	handheld, multiples clones available
PC x86_64	from 30 to 1000€	from 5 to 10	dreamcast, psp, saturn, gamecube, wii, ps2, wii U, ps3 (depending on CPU/GPU)	file browser through F1

Performances examples

Board	System	Game	FPS	Comment
c4	saturn (lr-yabasanshiro)	bomberman	in game : 55 fps	1360×768
rpi4	saturn (lr-yabasanshiro)	bomberman	in game : 60 fps	no overclocking 1360×768
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c4	dreamcast (lr-flycast)	unreal tournament	in game : 35-40 fps	1360×768
rpi4	dreamcast (lr-flycast)	unreal tournament	in game : 40-45 fps	no overclocking 1360×768
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c4	psp (ppsspp)	pes 2014	in game : 30/30 in x1	1360×768
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c4	psp (ppsspp)	pes 2014	in game : 30/30 in x2	1360×768
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Board	System	Game	FPS	Comment
c4	n64 (glide64mk2)	007	in game : 95-100%	1360×768
rpi4	n64 (glide64mk2)	007	in game : 95-100%	no overclocking 1360×768
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