

List made by **Yahfz & Loweya Litman**

Changelog:
V0.1 - 5/6/2024 Added a WIP RPCS3 MOBILE CPU TIER LIST

- S Tier - The absolute best.** Performance far above what a PlayStation 3 can achieve.
- A Tier - Excellent performance.** Beats the PlayStation 3 frames in most if not all the titles.
- B Tier - Good performance.** Plays every "Playable" title with ease, lacks performance in some "In-game" titles.
- C Tier - A-OK performance.** below the recommended requirements. Stick to "Playable" titles.
- D Tier - Very budget oriented.** Most non-AAA "Playable" titles should work.
- F Tier - Avoid these CPUs.** CPUs in this tier are very old and perform very badly

The list assumes its using all the TDP available for each SKU
We don't take the fact that the specific CPU might be on a thin or thick gamer laptop

CURRENTLY WIP AND NOT FINAL, BUT SHOULD HELP A LITTLE ALREADY

Mobile CPUs / Handhelds					
S Tier	A Tier	B Tier	C Tier	D Tier	F Tier
	R3 7345HX	i7-11800H	i7-1185G7 (?)	i5-1035G1	i3-1005G1
	i9-14900HX	i5-11400H	i7-8750H	i3-N305	i3-10110U
	i9-13980HX (?)	R7-8840U	i5-8300H	i7-4700MQ	N200
	i7-14650HX	R7-7840U	i7-7700HQ	i5-8250U	N100
	i7-13620H	GPD Win Max 2	Steam Deck OLED	i5-7300HQ	i5-4300M
	i9-12900HX	Legion Go	Steam Deck LCD		N50
	i9-11960HX	ROG Ally X			
	i7-12850H	ROG Ally			
	i9-11950H	R9-6900HX			
	i9-11900H	R7-6800H			
	i7-11850H	i7-10875H			
	i7-11800H	i7-10870H			
		i7-10850H			
		R9-5980HX			
		R9-5980HS			
		R9-5900HX			Intel 7000 - 100U Series
		R7-5800H			Intel's 2nd and 3rd Gen
		R7-5800HS			AMD FX CPUs
		R7-4800H		Any 4cH CPU	Anything Older
		R7-4800U			
		R5-5600H			
		R5-5600HS			

Handheld	CPU	Cores / Threads	RAM	GPU	Power
Steam Deck LCD	7nm Zen 2	4 Cores / 8 Threads	16 GB - 5500 MT/s quad 32-bit channels	RDNA 2, 8 CUs @ 1.6GHz	4 - 15w
Steam Deck OLED	6nm Zen 2	4 Cores / 8 Threads	16 GB - 6400 MT/s quad 32-bit channels	RDNA 2, 8 CUs @ 1.6GHz	4 - 15w
ROG Ally	R7-7840U	8 Cores / 16 Threads	16 GB - 6400 MT/s quad 32-bit channels	RDNA 3, 12 CUs @ 2.7GHz	9 - 30w
ROG Ally X	R7-7840U	8 Cores / 16 Threads	2x12 GB - (?) 7500 MT/s Dual Channel	RDNA 3, 12 CUs @ 2.7GHz	9 - 30w
Legion Go	R7-7840U	8 Cores / 16 Threads	16 GB - 7500 MT/s	AMD Radeon™ Graphics	?
GPD Win Max 2	R7-8840U	8 Cores / 16 Threads	32 / 64 GB - 7500 MT/s	AMD Radeon 780M	10 - 25w (?)
MSI CLAW A1M	Ultra 7 155H	6 P-Cores / 8-E-Cores (?) / 22 Threads	16 GB - 6400 MT/s	Intel® Arc™ Graphics	? - 65w (?)

To be added in the future

FPS Target	CPU Tier	Game	8C/16T	8C/8T	6C/12T	6C/6T	4C/8T	4C/4T	2C/4T	2C/2T	1C/2T
30	B	Metal Gear Solid 4									
30	A or B (?)	Gran Turismo 5 / 6					* (7)				
30-60	A	God of War 3 / Ascension									
30	A	Red Dead Redemption				Video		Video			
30	B	Uncharted				Video (B)					
30	B	Uncharted 2				Video (B)					
30	B	Uncharted 3				* (10)					
30	A or B (?)	The Last of Us				* (11)					
60	D or F (?)	Wipeout HD									
		Skate									
		Skate 2									
30/60 (12)	B	Skate 3									
60		Motorstorm									
30	B or C (?)	Motorstorm Pacific Rift									
30	B	Motorstorm Apocalypse				Video					
30		Infamous									
30	A or B (?)	Infamous 2				* (13)					
30		Kilzone									
30		Kilzone 2				Video					
30	S or A	Kilzone 3				Video					
10 to 50	S / A / B / C	Sonic Unleashed									
30	D	Persona 5						* (14)	** (15)		
20-30 (16)	B or C (?)	Yakuza 5 / Ishin / O / Kiwami									
30	C or D (?)	Yakuza: Dead Souls & Older				Video (17)		* (18)			
60	C or D (?)	Ratchet & Clank Future: Tools of Destruction									
7		Ratchet & Clank Future: Quest for Booty									
60		Ratchet & Clank Future: A Crack in Time									
7		Ratchet & Clank: All 4 One									
7		Ratchet & Clank: Ofort									
7		Ratchet & Clank: Into the Nexus									
30/60	F	Hatsune Miku Games									Video
		LittleBigPlanet									
		LittleBigPlanet 2									
30	B	LittleBigPlanet 3									
		LittleBigPlanet Karting									
30	F	Catherine									Video
30	S	Midnight Club: Los Angeles					Video				
30	D	Demon's Souls									
30		Drakengard 3									
		Sly Cooper									
		Sly Cooper: Thieves in Time									
		Fight Night Champion									
		NCAA Football 14									
		Rock Band 1 & 2									
		Asura's Wrath									
		NiR Gestalt & Replicant									
		Resistance: Fall of Man									
		Resistance 2									
	B	Resistance 3									
	F	SSX									
		Lollipop Chainsaw									
		Heavenly Sword									
		UFC Undisputed 3									
		Shadows of the Damned									
		Silent Hill Downpour									
		Silent Hill Homecoming									
30	D	JoJo's BA: All-Star Battle / Eyes of Heaven									
30	S	Twisted Metal									
60		E.X Troopers									
30	B (?)	Blur									
		Minecraft									

List made by **Lowey's Litsman**

Legend (Cores / Threads)	Note
Performs the best - Ideal performance	If the CPU has HT - it's recommended to use RPCS3's alt scheduler
Performs well without any downsides	Playable! (All that's left is how fast is your CPU)
Performs OK - just enough to play	Game can be played but will run with lower performance than expected
Can play but with sacrifices/cheats	Game may be played but has major issues (ex. audio & performance)
Unplayable - Horrendous performance	Thread Starving - Obnoxiously Slow - Impossible to circumvent, please upgrade
Missing data	Missing data - If you have info, please ping @Lowey'sLitsman on #rpcs3

Legend (FPS Target)	Note
Can be played with higher fps using VBlank	
Can be played with higher fps using patches (read the patch notes in the manager for potential issues)	
Can be played with higher fps but can encounter game/physic breaking issues	
Game is tied to the FPS / No patches available	
Missing data - If you have info, please ping @Lowey'sLitsman on #rpcs3	

For the **CPU Tier**, it depends how **fast the CPU** needs to be to achieve the **original framerate target**
For additional information, please check the [RPCS3 CPU Tier List!](#)
Another Note: If your CPU is slow like for example the Steam Deck (4c/8t) it doesn't mean the game will play with good framerate.

4C/8T is the minimum to handle all games in RPCS3
6C/6T may sometimes perform better but doesn't support all games
8C/8T and 10C/10T usually performs the best

Video Examples	Comment
[RPCS3-x0.013] Thread Scaling - 2c/4t + 4c/4t + 4c/8t + 6c/12t	Showing 3c/4t & 4c/4t being capable to play some games
[RPCS3-x0.0.29] Thread Scaling - 4c/8t + 6c/6t + 6c/12t	Some games performing better or worse at 6c/6t
[RPCS3-x0.0.29] Gran Turismo 5 - Thread Scaling Test	GTS is slower if playing with 6 threads or less
Kilzone 3 - Steam Deck	Kilzone 3 - 8700K
[RPCS3-x0.0.30] 8c/8t vs 8c/8t	Games performing better at 8c/8t than 8c/16t

[1] Very specific games may perform worse due to the lack of threads.
A CPU with 4c/8t may perform better.

Observed games:

- Yakuza Ishin, 0, 5 and Kiwami
- Skate 3
- Gran Turismo 5 and 6

[2] Very specific games may perform worse due to the lack of threads.
A CPU with 4c/8t may perform better.

Observed games:

- Yakuza Ishin, 0, 5 and Kiwami
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[3] Very specific games may perform worse due to the lack of threads.
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- Yakuza Ishin, 0, 5 and Kiwami
- Skate 3
- Gran Turismo 5 and 6

[4] Very specific games may perform worse due to the lack of threads.
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Observed games:

- Yakuza Ishin, 0, 5 and Kiwami
- Skate 3
- Gran Turismo 5 and 6

[5] Very specific games may perform worse due to the lack of threads.
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Observed games:

- Yakuza Ishin, 0, 5 and Kiwami
- Skate 3
- Gran Turismo 5 and 6

[6] Very specific games may perform worse due to the lack of threads.
A CPU with 4c/8t may perform better.

Observed games:

- Yakuza Ishin, 0, 5 and Kiwami
- Skate 3
- Gran Turismo 5 and 6

[7] Set SPU Threads to 1, to play at full speed.

[8] SPU Threads 2

[9] SPU Threads 2

[10] The Game seems to crash a lot.

[11] The Game seems to crash a lot.

[12] Also includes a '60fps mode' to force increased fps limit in modes that are locked to 30.

[13] SPU Threads 3

[14] Try SPU Threads 1 for a stable framerate
SPU Threads 2 may improve a tiny bit but stutters still occur

[15] Need more data

[16] Yakuza 5 is tied to the FPS, 30 is the target.

Yakuza Ishin/0/Kiwami is 20 to 30 fps, can be increased up to 60 fps.
Some minigames are tied to the fps (30).

[17] Need more data

[18] SPU Threads: 1