



Microprocessors

Knox Game Design

September 2026

First Generation

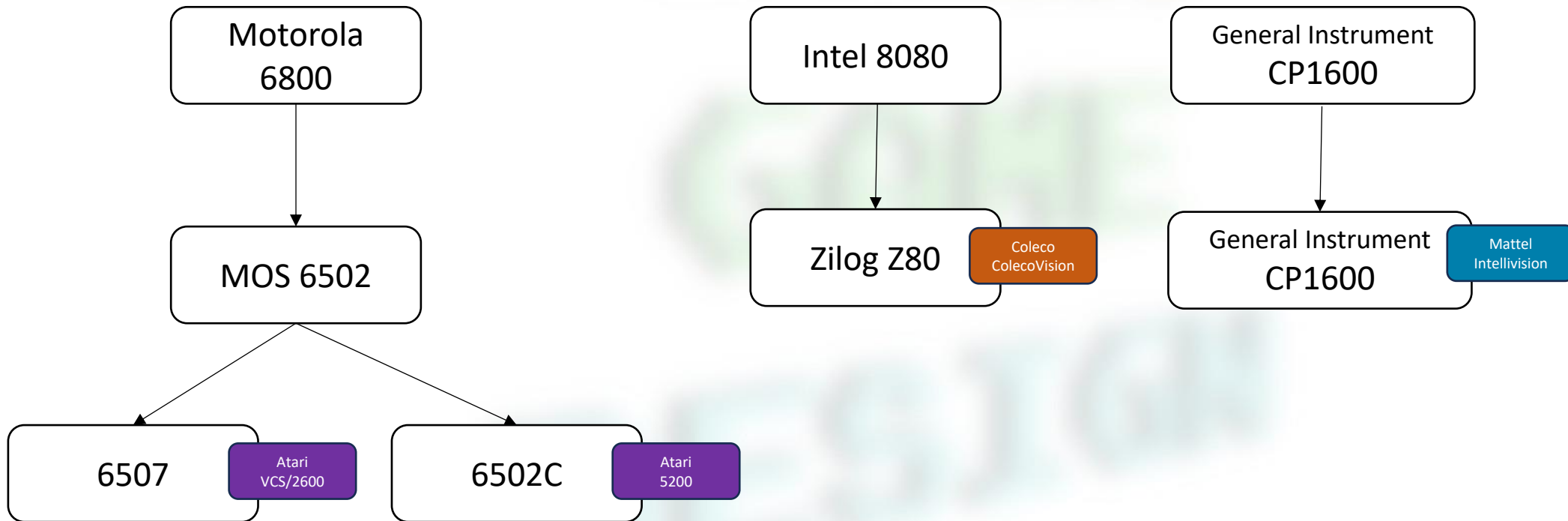
Console	Manufacturer	Year	Processor	
Odyssey	Magnavox	1972	None – circuit boards	
Fairchild F8	Fairchild Semiconductor	1975	F3850	

Second Generation

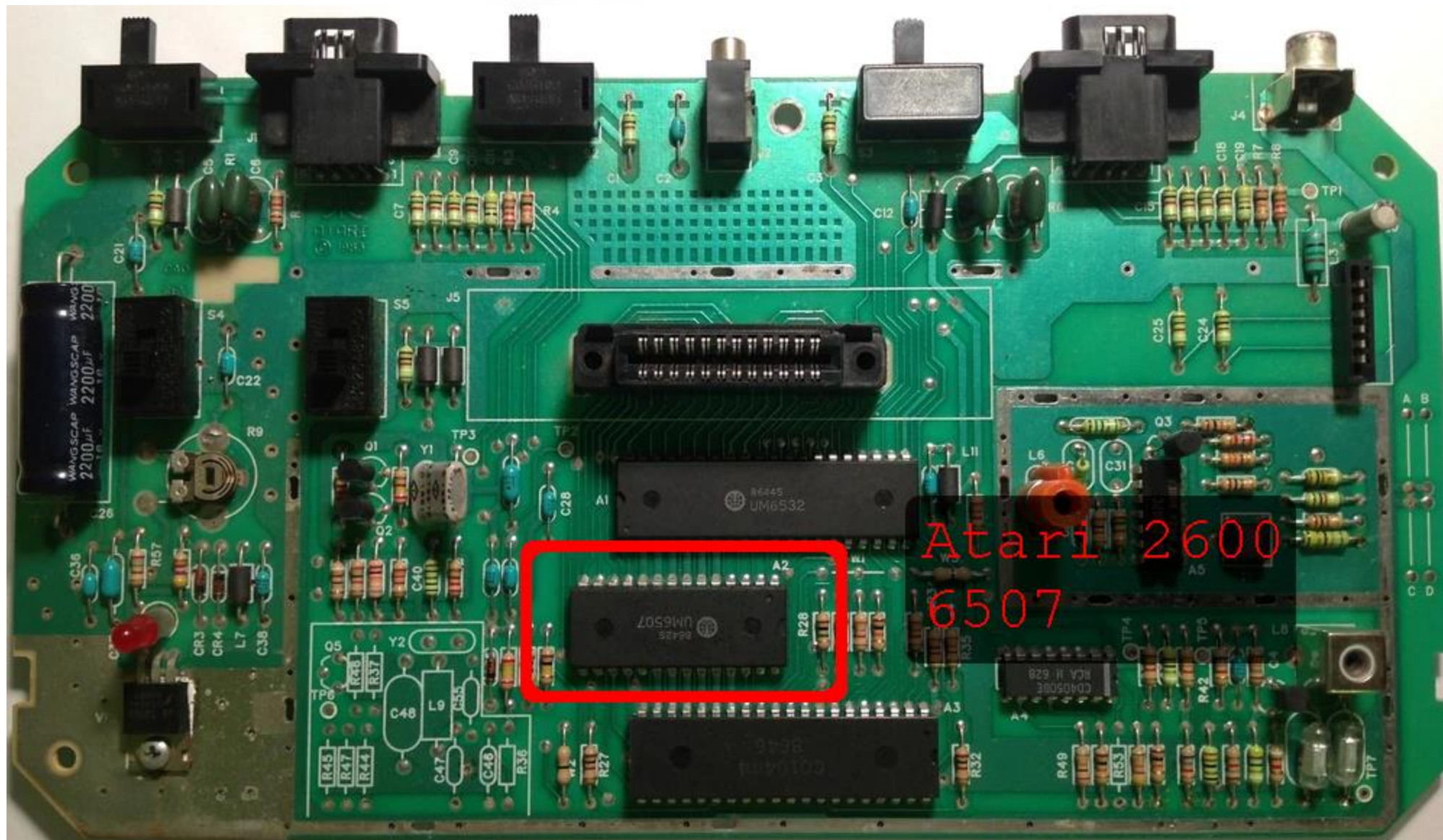
Console	Manufacturer	Year	Processor		Instruction Set
Atari VCS/2600	Atari, Inc	1977	6507		6502
Intellivision	Mattel Electronics	1979	General Instrument CP1610		CP1610
ColecoVision	Coleco	1982	Zilog Z80A		Z80 (compatible with Intel 8080)
Atari 5200	Atari, Inc	1982	MOS 6502C		6502

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Second Generation



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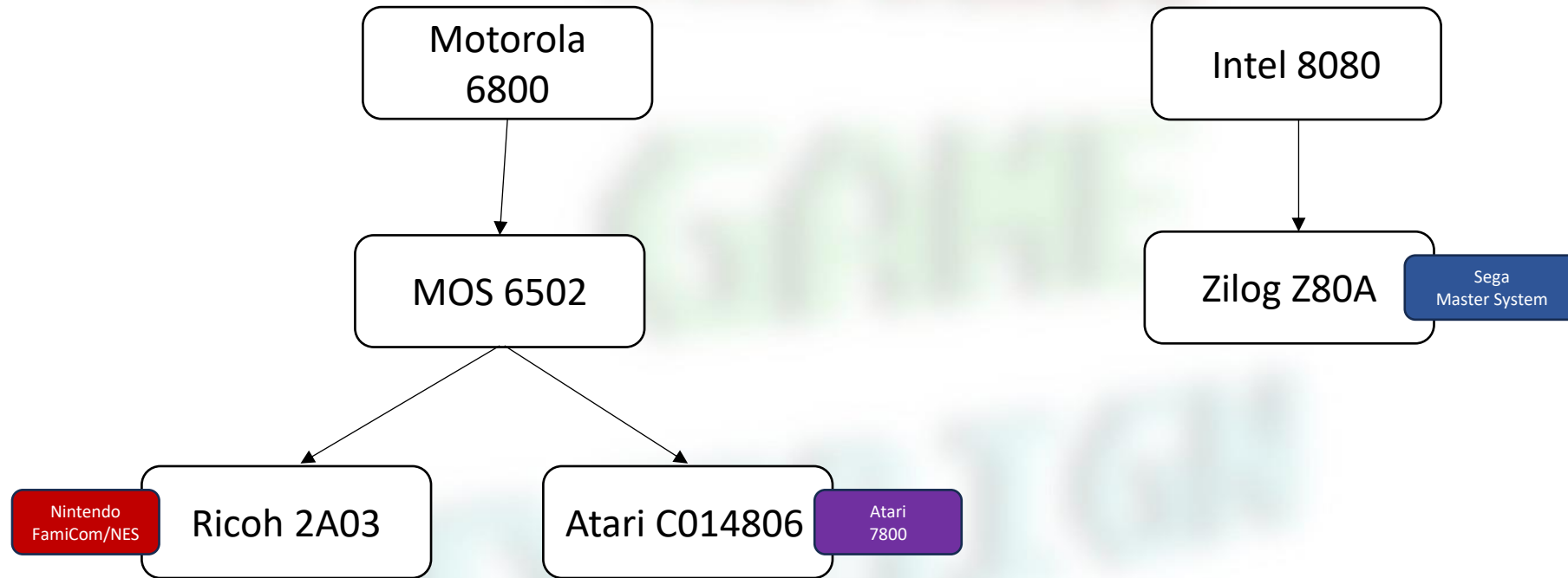
Atari 2600
6507

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Third Generation

Console	Manufacturer	Year	Processor		Instruction Set
Nintendo Entertainment System / Family Computer	Nintendo	1983	Ricoh 2A03		6502
Master System / SG-1000	Sega	1985	Zilog Z80A		Z80
Atari 7800	Atari, Inc	1986	Atari C014806		6502

Third Generation

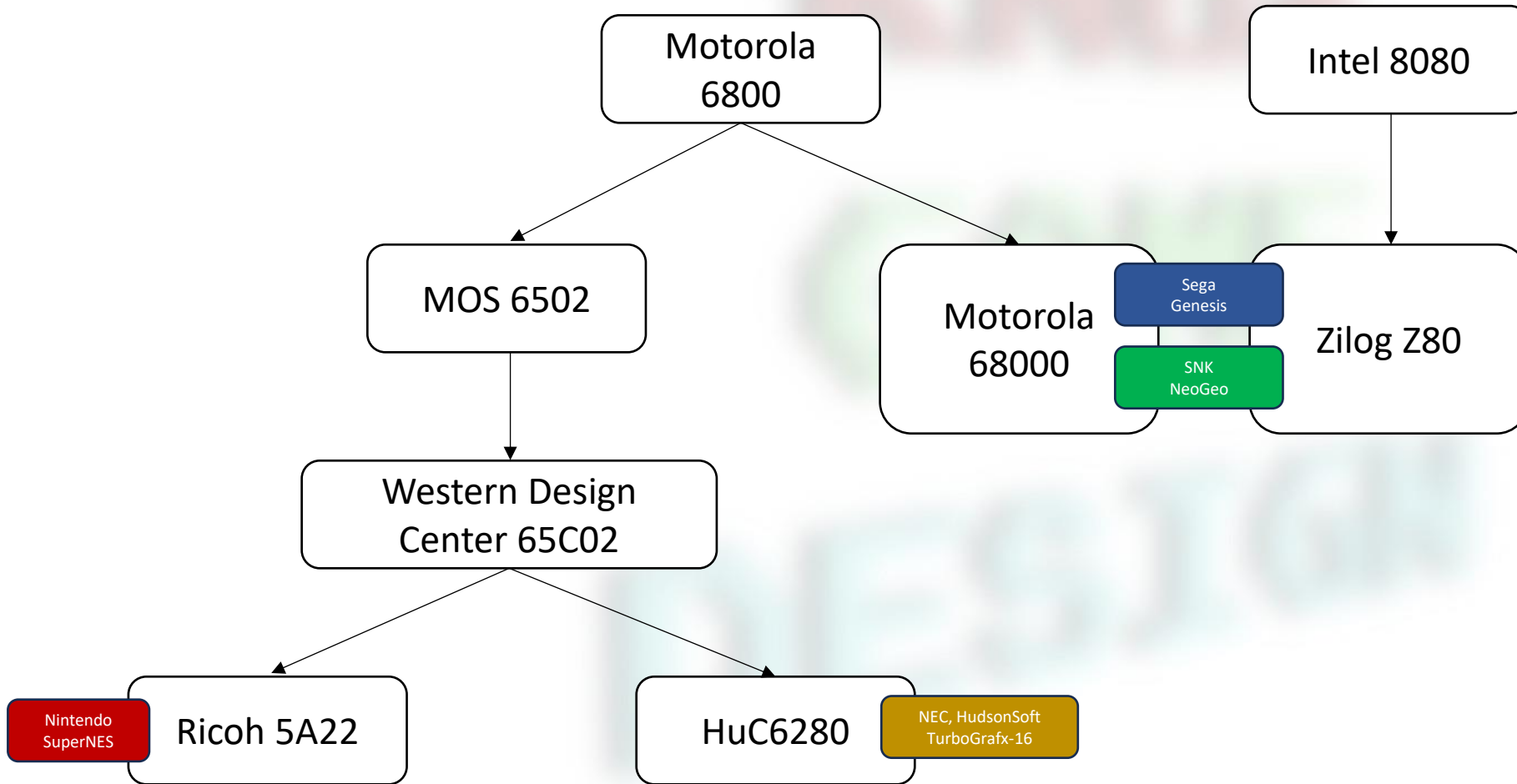


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Fourth Generation

Console	Manufacturer	Year	Processor		Instruction Set
TurboGrafx-16 / PC Engine	NEC, Hudson Soft	1987	Hudson HuC6280		6502
Genesis / Mega Drive	Sega	1988	Motorola 68000 Zilog Z80		Motorola 68000 Z80
Super NES	Nintendo	1990	Ricoh 5A22		6502
NeoGeo	SNK Corporation	1990	Motorola 68000 Zilog Z80A		Motorola 68000 Z80

Fourth Generation

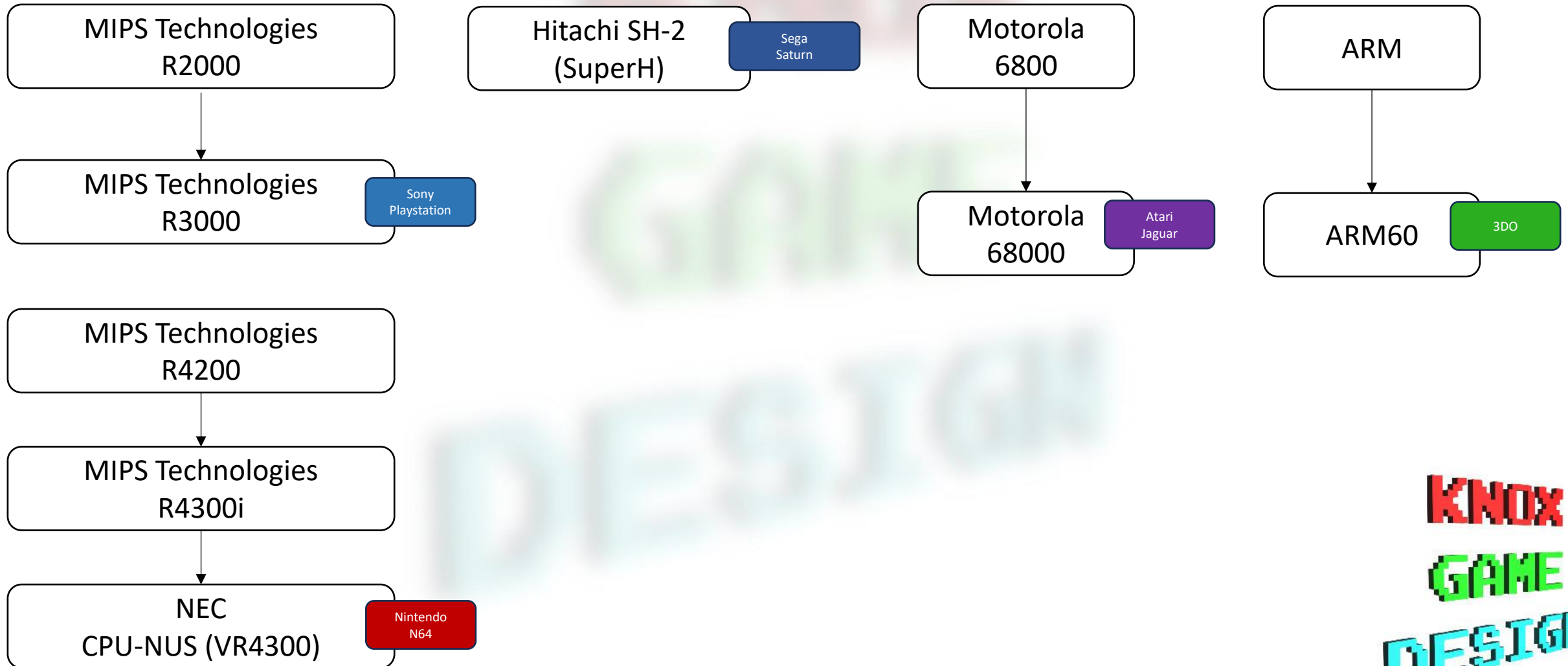


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Fifth Generation

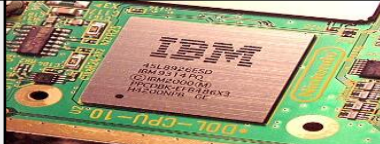
Console	Manufacturer	Year	Processor		Instruction Set
3DO	The 3DO Company	1993	ARM60		ARM
Jaguar	Atari Corporation	1993	Motorola 68000		Motorola 68000
Playstation	Sony Electronics	1994	R3000		MIPS
Saturn	Sega	1994	Hitachi SH-2 (Super H)		SuperH
Nintendo 64	Nintendo	1996	CPU-NUS (NEC VR4300, R4300i)		MIPS

Fifth Generation

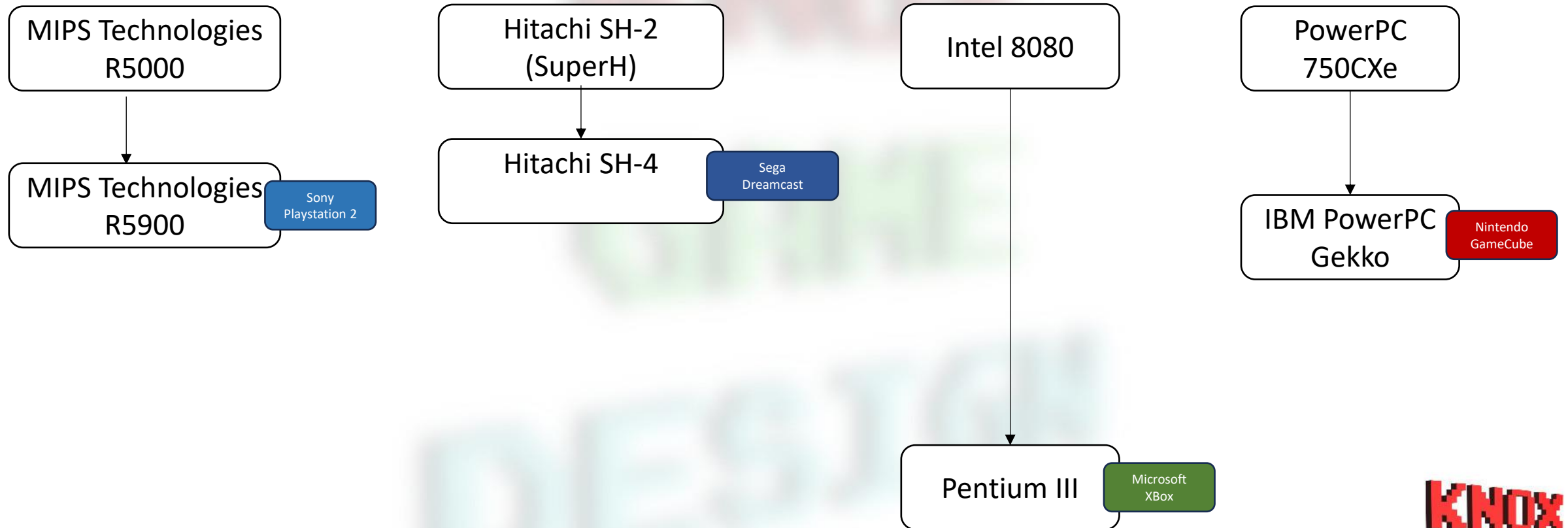


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Sixth Generation

Console	Manufacturer	Year	Processor		Instruction Set
Dreamcast	Sega	1998	Hitachi SH-4		Super-H
Playstation 2	Sony	2000	MIPS 5900 (Emotion Engine)		MIPS III
XBox	Microsoft	2001	Pentium III (Coppermine)		IA-32 (x86)
GameCube	Nintendo	2001	IBM Gekko		PowerPC

Sixth Generation

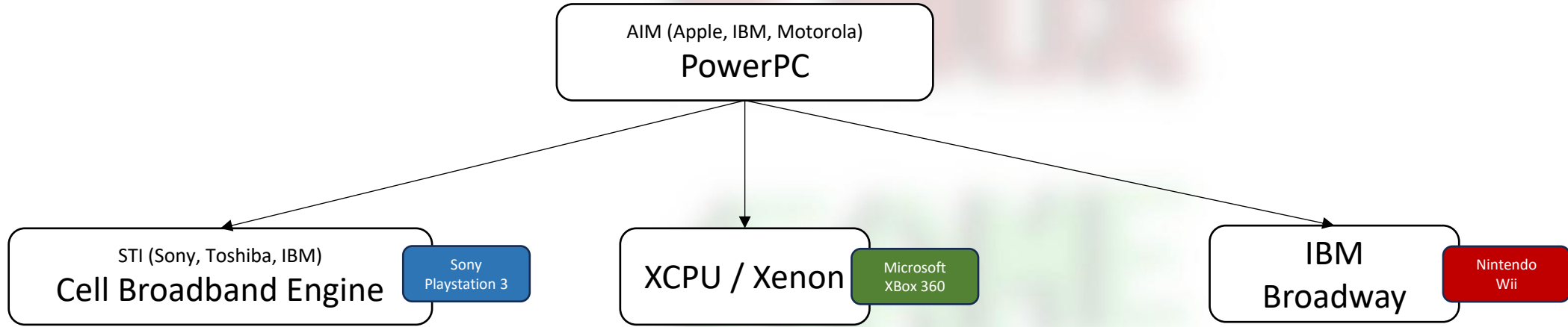


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Seventh Generation

Console	Manufacturer	Year	Processor		Instruction Set
XBox 360	Microsoft	2005	XCPU / Xenon		PowerPC
Playstation 3	Sony	2006	Cell Broadband Engine		PowerPC
Wii	Nintendo	2006	Broadway		PowerPC

Seventh Generation

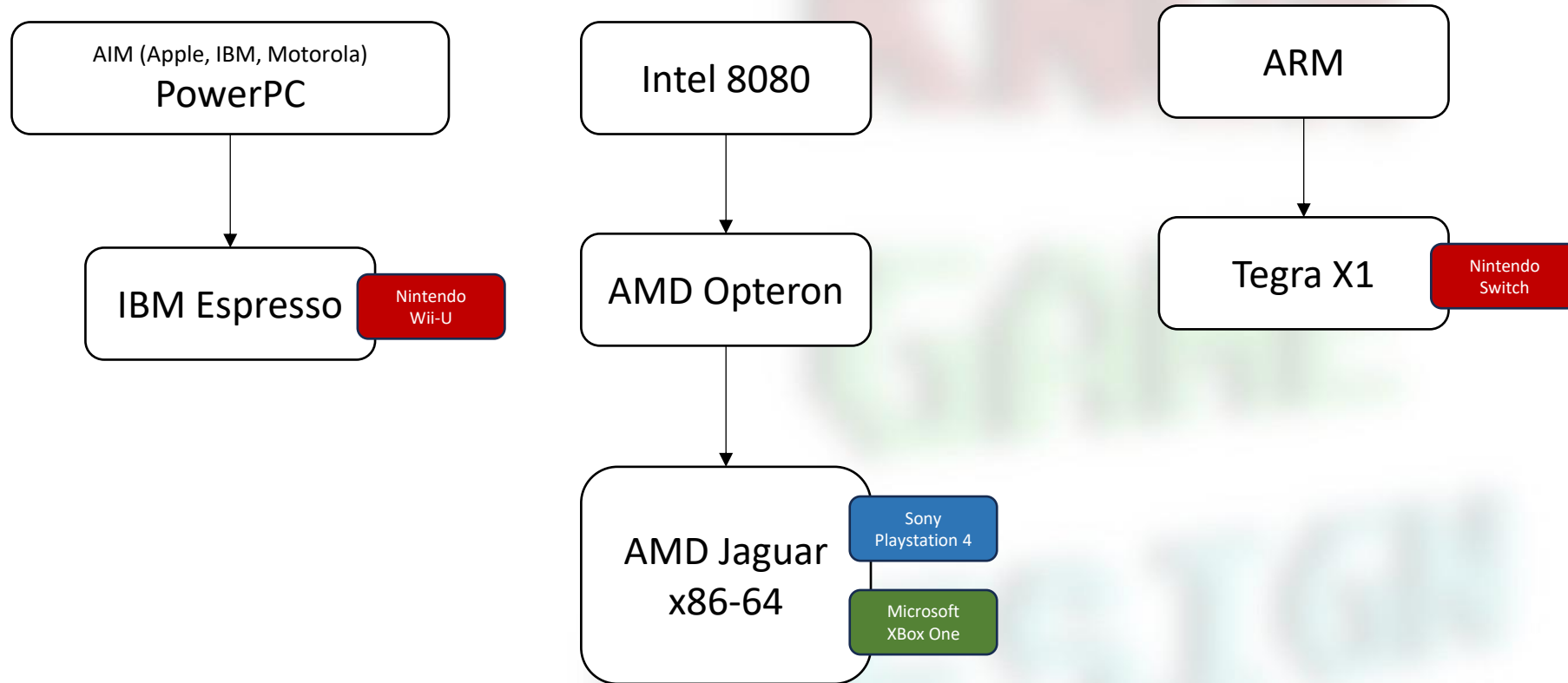


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Eighth Generation

Console	Manufacturer	Year	Processor		Instruction Set
Wii U	Nintendo	2012	IBM Espresso		PowerPC
Playstation 4	Sony	2013	AMD Jaguar x86-64		AMD64
XBox One	Microsoft	2013	AMD Jaguar		AMD64
Switch	Nintendo	2017	Nvidia Tegra X1 ARM Cortex-A57/A53		ARMv8-A

Eighth Generation

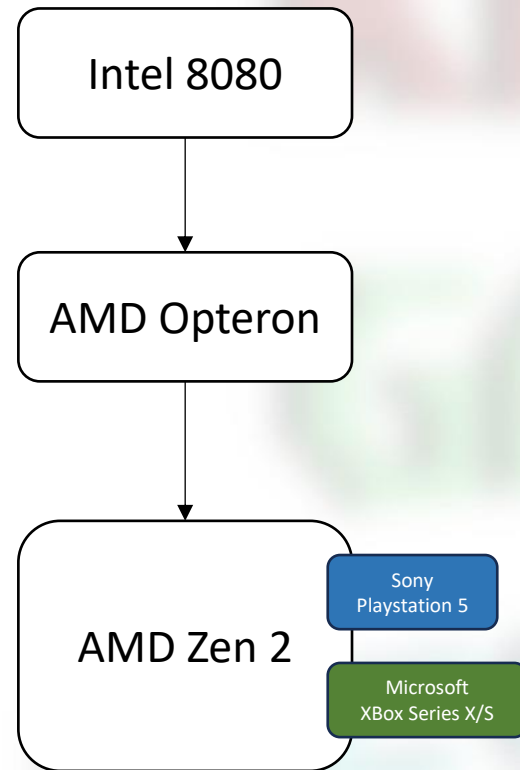


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Ninth Generation

Console	Manufacturer	Year	Processor		Instruction Set
Playstation 5	Sony	2020	AMD Zen 2		AMD64 (x86-64)
XBox Series X/S	Microsoft	2020	AMD Zen 2		AMD64 (x86-64)

Ninth Generation



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