



16-Bit Games System Specs

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Just the specs, and nothing but.

ATARI 520 ST (1985)	
CPU	68000 Central Processor running at 8mhz
Graphics	capable of three resolutions, Palette of either 512 or 4096 colours depending on model
RAM	512 K
Sound	YM 2149 Software-Controlled Sound Generator capable of producing 3 voices in mono (On the STFM). The STe had stereo sound.

Commodore Amiga 1000	
CPU	Motorola 68000 @ 7.16 mhz (16-bit)
RAM	256Kb expandable to 512Kb internal, Up to 8 MB external
Graphics	Graphic chip capable of three resolutions, palette of 4096 colours
Sound	Paula: 4 channel stereo

	Sega MegaDrive	Sega Mega CD	Sega 32x
CPU	CPU: Motorola 68000 at 7.61 MHz . Co-Processor: Z80 @ 4 MHz Controls sound	Motorola 68000 @ 12.5MHz, same co-processor.	Dual Hitachi SH-2 RISC Processors @ 23 MHz each, 40MIPS. Co-Processors: Genesis 68000, and Z80, Genesis 32X VDP
Memory	1 Mb ROM Area 64 Kb RAM Area	6Mb 512Kb (PCM waveform memory) 1Mbit (Boot ROM)	512k (4 MBit) additional RAM to original megadrive CD memory
Graphics	64 simultaneous colors of 512 colors. 320 x 224. 2 scrolling playfields, 1 sprite plane, 80 Sprites	Same as mega drive	32,768 simultaneous colours on screen, Texture mapping, Hardware scaling and rotation
Sound	PSG chip (TI 76489), FM chip (Yamaha YM 2612- 4-operator), 6-channel stereo , 8 Kb RAM , Signal/Noise Ratio: 14dB	PCM Sound: Stereo, 8 Channels. Sampling wavelength: 32MHz max. 16-bit DAC, 8x Internal over-sampling digital filter, PCM and CD sound mixing. 10 channels stereo FM sound, plus 8 channels of Stereo 16-bit sound at 32KHz	Stereo PCM chip, Audio mixing with Mega drive sound, Additional 2 channels (8 Channels total, or 16 with SegaCD)

Super NES/ Super Famicom	
CPU	WDC 65816 16-bit: 2.68 / 3.58 Mhz 16-bit
MEMORY	RAM: 1 Mbit (128 Kbyte) Video RAM: 0.5 Mbit (64 Kbyte) Cartridge Size: 2 Mbit - 48 Mbit
graphics	Max Resolution: 512 x 448 pixels Colors: 32,768 colors Max Colors at Once: 256 Max Sprite Size: 64 x 64 pixels Max Sprites: 128 sprites
SOUND	8-bit Sony SPC700: 8 ADPCM Channels, 64KB Audio RAM