

# 1 Evolución dos microprocesadores

Ano	INTEL	AMD	Outros
1971	Intel 4004		
1972	Intel 8008		
1978	Intel 8086		Motorola MC68000
1979	Intel 8088		
1982	Intel 80286		Motorola MC68020
1985	Intel 80386	AMD80386	Motorola MC68020
1989	Intel 80486	AMD80486	Motorola MC68040
1993	Intel Pentium		Motorola MC68060 MIPS R10000
1995	Intel Pentium Pro	AMD K5	
1996		AMD K6	
1997	Intel Pentium II	AMD K6 II	PowerPC6 (versiones G3 e G4) (IBM) MIPS R120007
1998	Intel Pentium II Xeon		
1999	Intel Pentium III	AMD K6-III AMD Athlon (K7)	
2000	Intel Pentium 4 Intel Itanium 2 Intel Pentium III Xeon	AMD Athlon XP AMD Duron	PowerPC G4 MIPS R14000 ARM946E-S
2001	Intel Itanium Intel Xeon		ARM7TDMI-S
2002	Intel Itanium 2		
2003	Intel Pentium 4 Extreme Edition Intel Pentium M	AMD Opteron	
2004	Pentium 4 Prescott	AMD Geode AMD Sempron	
2005	Intel Pentium D Intel Extreme Edition con Hyper Threading Intel Celeron D	AMD Athlon 64 AMD Athlon X2 AMD Athlon FX AMD Turion 64	

Ano	INTEL	AMD	Outros
2006	Intel Core Duo		
2007	Intel Core Duo Intel Core2 Duo Intel Core Quad	AMD Athlon 64 D-Core	
2008	CORE2 DUO E6850 3.0 GHZ SK775 QUAD 6600 2.4 GHZ SK775	AM2 ATHLON 64 LE1620 2.4GHZ PHENOM QUAD CORE HD9600 2.3 GHZ	VIA C7 2.0 GHz ARM1176JZ(F)-S 420MHz (iPhone)
2009	CORE2QUAD Q9550 2.83GB CORE i5 750 2.66 GHZ SK1156 8MB CORE I7 920 8M S.1366	PHENOM II 945 QUAD CORE 3.0GHZ 95W PHENOM II X4 955 3.2GHZ 6MB L3 125W	VIA Nano L2100 1.8GHz 65nm 500mW
2010	Core i3/i5 (1156, 32nm y 45nm) Core i7 (1366)	Sempron Athlon II Phenom II	P.A. Semi Apple A4 1GHz
2011	Dual Core G620 2.60GHz 1155 Core i7 2600K 1155 Core i3 550 1156	AM3+ FX-8120 3.10 GHz AM3 ATHLON II X2 270 ATHLON II X4 640 3.0GHz	iPhone 4S: A5 doble nucleo 1 Ghz Samsung Galaxy S II: Exynos 4210
2012	Intel Dual Core G860 3.00GHz 1155 Intel Core i3 3.3 GHz 1155 Intel Core i5 3.00 GHz 1155 Intel Core i7 3.6 GHz LGA2011	AMD FX-4170 4.2GHz AM3+ AMD Phenom II X4 3.4GHz AM3 AMD A8 X4 3870K 3.0GHz FM1 GPU ATI HD6550D	iPhone 5: A6 doble nucleo 1.02 Ghz Samsung Exynos 4 Quad a 1,4 GHz
2013	Tecnologías Intel Ivy Bridge, Sandy Bridge y Haswell Intel i3 3,5 GHz Intel i5 3,4 GHz (3,8 GHz por Turbo Boost) Intel i7 3,4 GHz (3,9 GHz por Turbo Boost)	Athlon II X2 280. 3.6 GHz para AM2/AM2+/AM3/AM3+ Arquitectura Piledriver A10-6800K 4.1GHz (4.4GHz por Turbo Core) A8-6600K 3.9GHz (4.2GHz por Turbo Core) A6-6400K 3.9GHz (4.1GHz por Turbo Core) A4-6300 3.7GHz (3.9GHz por Turbo Core).	iPhone 5s: A7 doble núcleo 1.3 GHz (64 bits ARMv8) Quadcore Qualcomm Snapdragon 800 2,3 GHz (Samsung)
2014	INTEL CORE I7 4790K 4.40 GHZ 1150 Intel Core I5 4570 3.20GHZ 1150	AMD A10 7700K 3.8GHZ FM2+ AMD AM3+ FX-8320 3.5 GHZ	iPhone 6: Apple A8 1.4 GHz dual-core ARMv8-A Samsung S5: Qualcomm Snapdragon 801 2.5 GHz (cuatro núcleos)

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	INTEL CORE I3 4330 3.50GHZ 1150		
2015	INTEL CORE I7 6700 4cores GHz 8MB 1151  Intel Core I5 6600 4cores 3.5GHZ 6MB 1151  INTEL CORE I3 6320 2cores 3.9GHZ 4MB 1155	AMD X4 A10.7850K 3.7 GHz FM2  AMD FX 6300 3 5GHZ 14MB AM3	iPhone 6s: Apple A9 1,85 GHz dual-core ARMv8-A  Samsung S6 edge: Samsung Exynos 7420 octa-core = Quad-core 1.5 GHz Cortex-A53 & Quad-core 2.1 GHz Cortex-A57
2016	INTEL Core i7-6950X 10cores 3.5GHZ  INTEL Xeon E3-1245 v5 4cores 3.9GHZ GPU INTEL HD Graphics 530  INTEL Core i5-5675C 4cores 3.6GHZ GPU INTEL Iris Pro 6200  INTEL Core i3-6100 2cores 3.7GHZ GPU INTEL HD Graphics 530	AMD FX-9590 8cores 5GHZ  AMD A10-7890K 4cores 4.3GHZ GPU Radeon R7 200 series v3  AMD Athlon II X4 860K 4cores 4GHZ  AMD A8-7670K 4cores 3.9GHZ GPU Radeon R7 200 series	lphone 7: Apple A10 2.34GHZ  <ul style="list-style-type: none"> <li>· 2cores Hurricane + 2cores Zephyr</li> <li>· Compatibles <b>ARMv8-A</b></li> <li>· GPU 6cores</li> </ul> Samsung S7 edge: <b>Qualcomm</b> snapdragon 820  <ul style="list-style-type: none"> <li>· 2cores 1.8GHZ + 2cores 1.36GHZ</li> <li>· GPU <b>Adreno</b> 530</li> </ul> Mediatek Helio X30 10cores:  <ul style="list-style-type: none"> <li>· 4x Cortex-A73 2.8GHZ</li> <li>· 4x Cortex-A53 2.2GHZ</li> <li>· 2x Cortex-A53 2.0GHZ</li> </ul>
2018	INTEL Core i9-9900K 8cores 5.0GHZ  INTEL Core i7-9700K 8cores 4.9GHZ  INTEL Core i5-9600K 6cores 4.6GHZ  INTEL Core i3-8145U 2cores 3.9GHZ  INTEL Xeon Platinum 8153 16cores 2.8GHZ	AMD FX-9590 8cores 5GHZ  AMD A10-7890K 4cores 4.3GHZ GPU Radeon R7 200 series v3  AMD Athlon II X4 860K 4cores 4GHZ  AMD A8-7670K 4cores 3.9GHZ GPU Radeon R7 200 series	lphone 7: Apple A10 2.34GHZ  <ul style="list-style-type: none"> <li>· 2cores Hurricane + 2cores Zephyr</li> <li>· Compatibles <b>ARMv8-A</b></li> <li>· GPU 6cores</li> </ul> Samsung S7 edge: <b>Qualcomm</b> snapdragon 820  <ul style="list-style-type: none"> <li>· 2cores 1.8GHZ + 2cores 1.36GHZ</li> <li>· GPU <b>Adreno</b> 530</li> </ul> Mediatek Helio X30 10cores:  <ul style="list-style-type: none"> <li>· 4x Cortex-A73 2.8GHZ</li> <li>· 4x Cortex-A53 2.2GHZ</li> <li>· 2x Cortex-A53 2.0GHZ</li> </ul>
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-- Volver