

UNIDAD CENTRAL DE PROCESAMIENTO

AMD

JORDI A. MAURICIO DE LEÓN

Familia	Núcleos	Hilos	Frecuencia del reloj (GHz)	Frecuencia turbo	FSB	Ultimo nivel de memoria cache
<u>A4-Series</u>	2	2	2.5 - 3.8 GHz	up to 4 GHz		1 MB L2
<u>A4-Series for Notebooks</u>	2 - 4	2 - 4	1.5 - 2.7 GHz	up to 3.3 GHz		up to 2 MB L2
<u>A6-Series</u>	2 - 4	2 - 4	2.1 - 4 GHz	up to 4.2 GHz		up to 4 MB L2
<u>A6-Series for Notebooks</u>	2 - 4	2 - 4	1.4 - 3 GHz	up to 3.6 GHz		up to 4 MB L2
<u>A8-Series</u>	4	4	2.1 - 3.9 GHz	up to 4.2 GHz		up to 4 MB L2
<u>A8-Series for Notebooks</u>	2 - 4	2 - 4	1.5 - 2.6 GHz	up to 3.3 GHz		up to 4 MB L2
<u>A10-Series</u>	4	4	2.5 - 4.1 GHz	up to 4.4 GHz		up to 4 MB L2
<u>A10-Series for Notebooks</u>	4	4	1.8 - 2.8 GHz	up to 3.5 GHz		up to 4 MB L2
<u>A12-Series</u>	4	4	2.9 - 3.8 GHz	up to 4.2 GHz		2 MB L2
<u>Athlon</u>	1 - 4	1 - 4	500 MHz - 3.5 GHz		200 - 266 MHz	4 MB L3
<u>Athlon 64</u>	1	1	1 - 2.8 GHz			up to 1 MB L2

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<u>Athlon 64 FX</u>	1 - 2	1 - 2	2.2 - 3 GHz			up to 2 MB L2
<u>Athlon 64 X2</u>	2	2	1.5 - 3.2 GHz			up to 2 MB L2
<u>Athlon 64 X2 for Notebooks</u>	2	2	1.2 - 2.2 GHz			up to 1 MB L2
<u>Athlon 64 for Notebooks</u>	1	1	1.2 - 2.2 GHz			up to 512 KB L2
<u>Athlon II</u>	1	1	1.8 - 2 GHz			1 MB L2
<u>Athlon II Dual-Core Mobile</u>	2	2	2 - 2.5 GHz			1 MB L2
<u>Athlon II X2</u>	2	2	1.6 - 3.6 GHz			up to 2 MB L2
<u>Athlon II X3</u>	3	3	2.2 - 3.4 GHz			1.5 MB L2
<u>Athlon II X4</u>	4	4	2.2 - 3.2 GHz			up to 4 MB L2
<u>Athlon II XLT</u>	2	2	2.2 - 2.8 GHz			2 MB L2
<u>Athlon MP</u>	1	1	1 - 2.13 GHz		200 - 266 MHz	up to 512 KB L2

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<u>Athlon X2</u>	2	2	2.2 - 4 GHz	up to 4.2 GHz		2 MB L3
<u>Athlon X4</u>	4	4	2 - 4 GHz	up to 4.2 GHz		up to 4 MB L2
<u>Athlon XP</u>	1	1	1.33 - 2.33 GHz		266 - 400 MHz	up to 512 KB L2
<u>Athlon XP-M</u>	1	1	1 - 2.2 GHz		200 - 333 MHz	up to 512 KB L2
<u>Dual-Core Opteron</u>	2	2	1.6 - 2.8 GHz			2 MB L2
<u>Duron</u>	1	1	550 MHz - 1.8 GHz		200 - 266 MHz	64 KB L2
<u>E1-Series</u>	2	2	1 - 1.48 GHz			1 MB L2
<u>E2-Series</u>	2 - 4	2 - 4	1.3 - 2.4 GHz	up to 2.2 GHz		up to 2 MB L2
<u>FX-Series</u>	4 - 8	4 - 8	2.8 - 4.7 GHz	up to 5 GHz		up to 8 MB L3
<u>Geode NX</u>	1	1	667 MHz - 1.8 GHz		266 MHz	256 KB L2
<u>K5</u>	1	1	75 - 133 MHz		50 - 66 MHz	24 KB L1

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<u>K6</u>	1	1	166 - 300 MHz		66 MHz	64 KB L1
<u>K6-2</u>	1	1	200 - 550 MHz		66 - 100 MHz	64 KB L1
<u>K6-2+</u>	1	1	450 - 570 MHz		95 - 100 MHz	128 KB L2
<u>K6-III</u>	1	1	333 - 450 MHz		66 - 100 MHz	256 KB L2
<u>K6-III+</u>	1	1	400 - 550 MHz		100 MHz	256 KB L2
<u>Mobile Athlon 4</u>	1	1	850 MHz - 1.4 GHz		200 MHz	256 KB L2
<u>Mobile Athlon 64</u>	1	1	1.6 - 2.6 GHz			up to 1 MB L2
<u>Mobile K6-III+</u>	1	1	450 - 500 MHz		95 - 100 MHz	256 KB L2
<u>Mobile Sempron</u>	1 - 2	1 - 2	1 - 2.2 GHz			up to 512 KB L2
<u>Opteron</u>	1	1	1.4 - 3 GHz			1 MB L2
<u>Opteron 3200 series</u>	4 - 8	4 - 8	2.4 - 2.7 GHz	up to 3.7 GHz		up to 8 MB L3

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<u>Opteron 3300 series</u>	4 - 8	4 - 8	1.9 - 2.8 GHz	up to 3.8 GHz		8 MB L3
<u>Opteron 4100 series</u>	4 - 6	4 - 6	1.2 - 3.5 GHz			6 MB L3
<u>Opteron 4200 series</u>	4 - 8	4 - 8	1.6 - 3.4 GHz	up to 3.8 GHz		8 MB L3
<u>Opteron 4300 series</u>	4 - 8	4 - 8	2 - 3.5 GHz	up to 3.8 GHz		8 MB L3
<u>Opteron 6100 series</u>	8 - 12	8 - 12	1.7 - 2.6 GHz			12 MB L3
<u>Opteron 6200 series</u>	4 - 16	4 - 16	1.6 - 3.3 GHz	up to 3.6 GHz		16 MB L3
<u>Opteron 6300 series</u>	4 - 16	4 - 16	1.8 - 3.5 GHz	up to 3.8 GHz		16 MB L3
<u>Phenom II Dual-Core Mobile</u>	2	2	2.6 - 3.2 GHz			2 MB L2
<u>Phenom II Quad-Core Mobile</u>	4	4	1.6 - 2.4 GHz			2 MB L2
<u>Phenom II Triple-Core Mobile</u>	3	3	1.8 - 2.3 GHz			1.5 MB L2
<u>Phenom II X2</u>	2	2	2.8 - 3.5 GHz			6 MB L3

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<u>Phenom II X3</u>	3	3	2.4 - 3.2 GHz			6 MB L3
<u>Phenom II X4</u>	4	4	2.4 - 3.7 GHz	up to 3.4 GHz		up to 6 MB L3
<u>Phenom II X6</u>	6	6	2.6 - 3.3 GHz	up to 3.7 GHz		6 MB L3
<u>Phenom X3</u>	3	3	1.9 - 2.5 GHz			2 MB L3
<u>Phenom X4</u>	4	4	1.8 - 2.6 GHz			2 MB L3
<u>R-Series</u>	2 - 4	2 - 4	1.6 - 2.7 GHz	up to 3.6 GHz		up to 4 MB L2
<u>Ryzen 3</u>	4	4	3.1 - 3.6 GHz	up to 4 GHz		up to 8 MB L3
<u>Ryzen 3 PRO</u>	4	4	3.1 - 3.6 GHz	up to 4 GHz		up to 8 MB L3
<u>Ryzen 5</u>	4 - 6	8 - 12	3.1 - 3.8 GHz	up to 4.4 GHz		up to 32 MB L3
<u>Ryzen 5 PRO</u>	4 - 6	8 - 12	3.2 - 3.7 GHz	up to 4.2 GHz		up to 32 MB L3
<u>Ryzen 7</u>	8	16	2.8 - 3.9 GHz	up to 4.5 GHz		up to 32 MB L3

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<u>Ryzen 7 PRO</u>	8	16	3 - 3.6 GHz	up to 4.4 GHz		up to 32 MB L3
<u>Ryzen Threadripper</u>	8 - 32	16 - 64	3 - 3.8 GHz	up to 4.5 GHz		up to 128 MB L3
<u>Second Generation Opteron</u>	2	2	1.8 - 3.2 GHz			2 MB L2
<u>Sempron</u>	1 - 4	1 - 4	1 - 2.9 GHz		333 - 400 MHz	up to 2 MB L2
<u>Sempron X2</u>	2	2	1.8 - 3.2 GHz	up to 3.6 GHz		up to 1 MB L2
<u>Six-Core Opteron</u>	6	6	1.8 - 2.8 GHz			6 MB L3
<u>Thirđ Generation Opteron</u>	4	4	1.7 - 3.1 GHz			up to 6 MB L3
<u>Turion 64 Mobile technology</u>	1	1	1.6 - 2.4 GHz			up to 1 MB L2
<u>Turion 64 X2 Mobile technology</u>	2	2	1.6 - 2.4 GHz			up to 1 MB L2
<u>Turion II Dual-Core Mobile</u>	2	2	2.2 - 2.7 GHz			up to 2 MB L2
<u>V Series for Notebook PCs</u>	1	1	1.2 - 2.4 GHz			512 KB L2