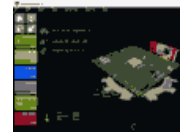


# CPU Benchmarks

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## Low Mid Range CPUs

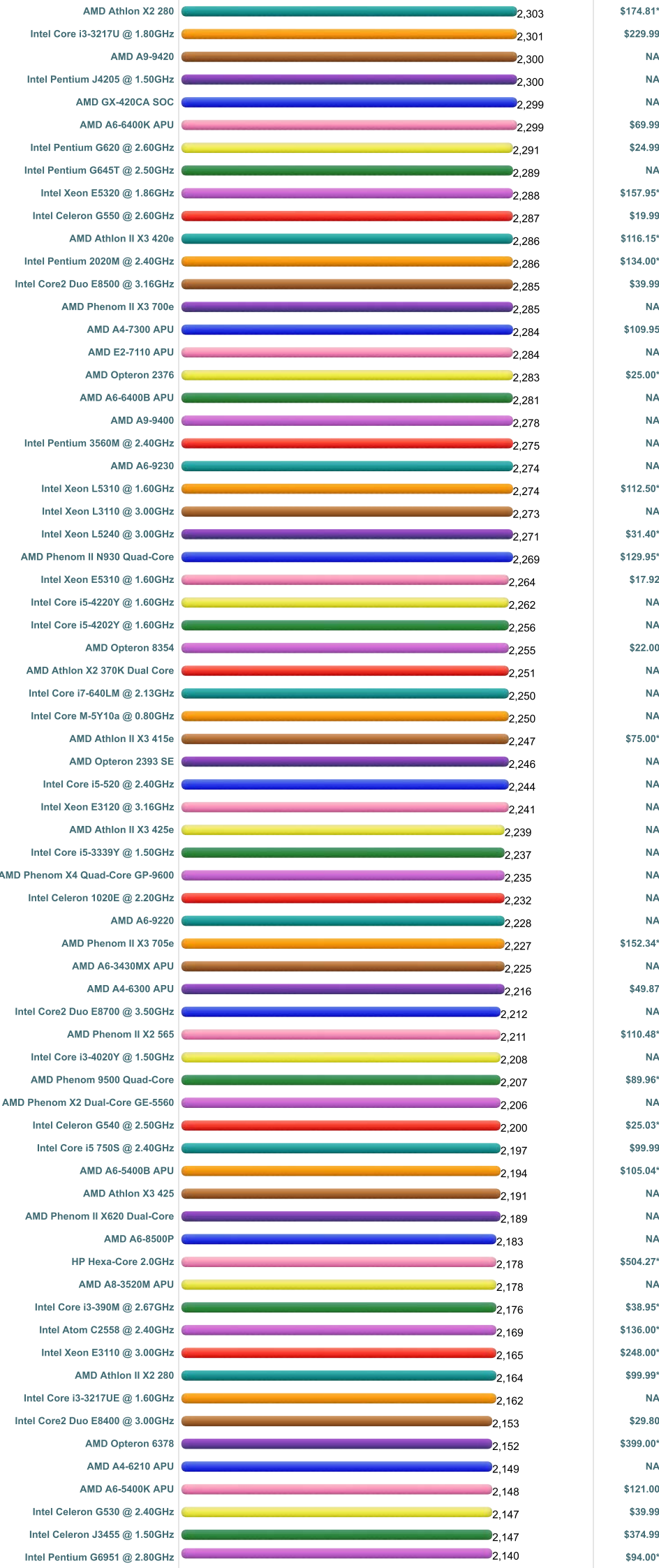
This chart comparing mid range CPUs is updated daily, and made up of thousands of PerformanceTest benchmark results. Mid range CPUs are typically found in computers that are a few years old. Intel CPUs in this chart include the slower Intel Core2 Duo CPUs, Intel Celerons and Intel Pentiums. AMD CPUs typically in this chart include AMD Mobile chips, AMD Turions, AMD Opteron Dual Core CPUs, AMD Semprons and AMD Athlons.

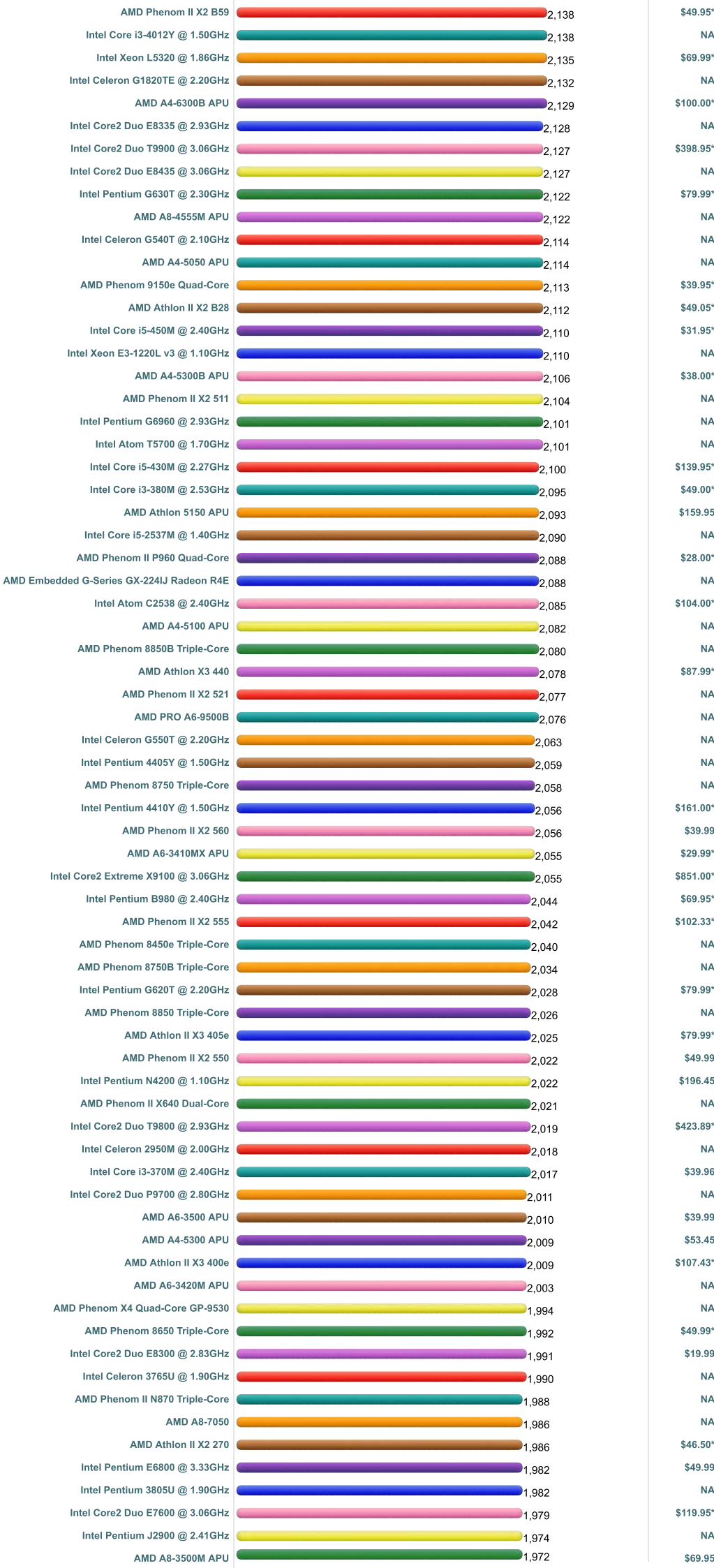
### CPU Mark | Price Performance

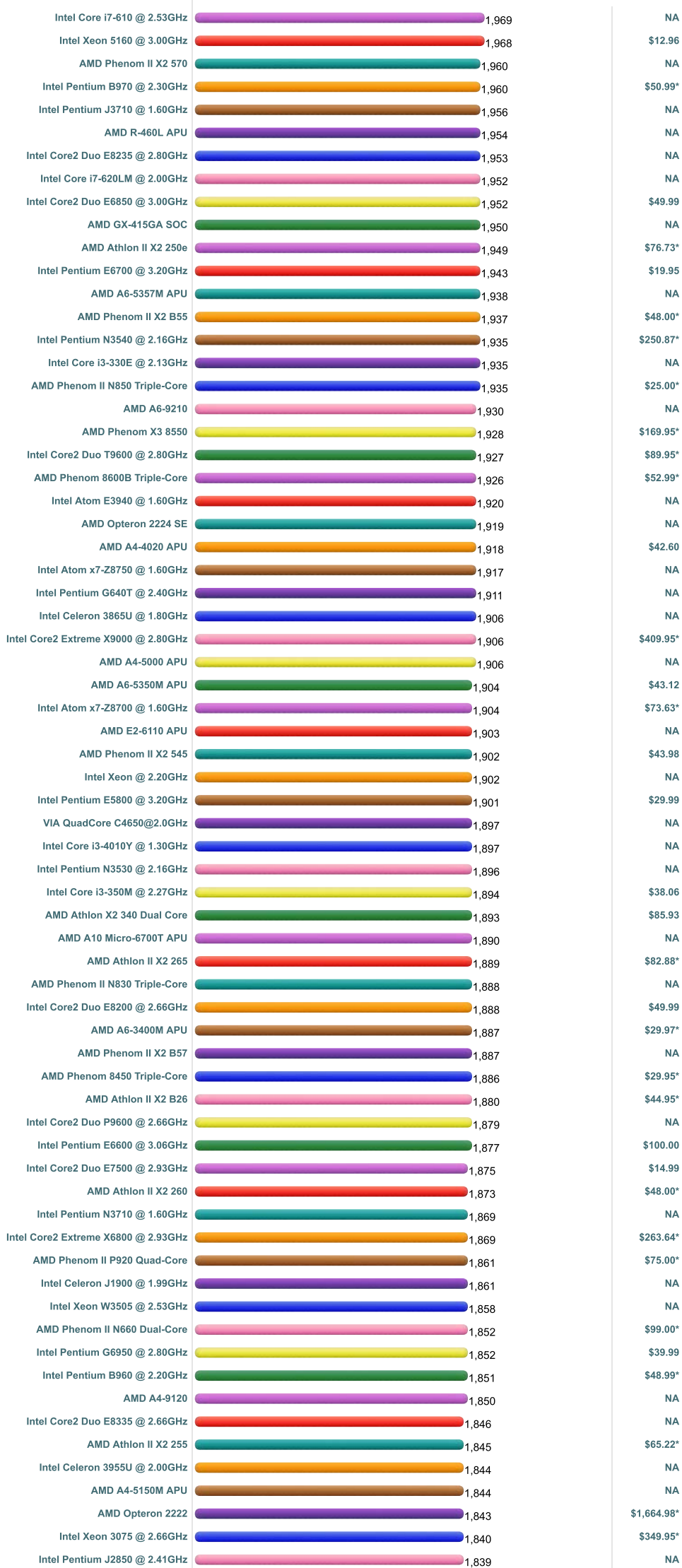
(Click to select desired chart)

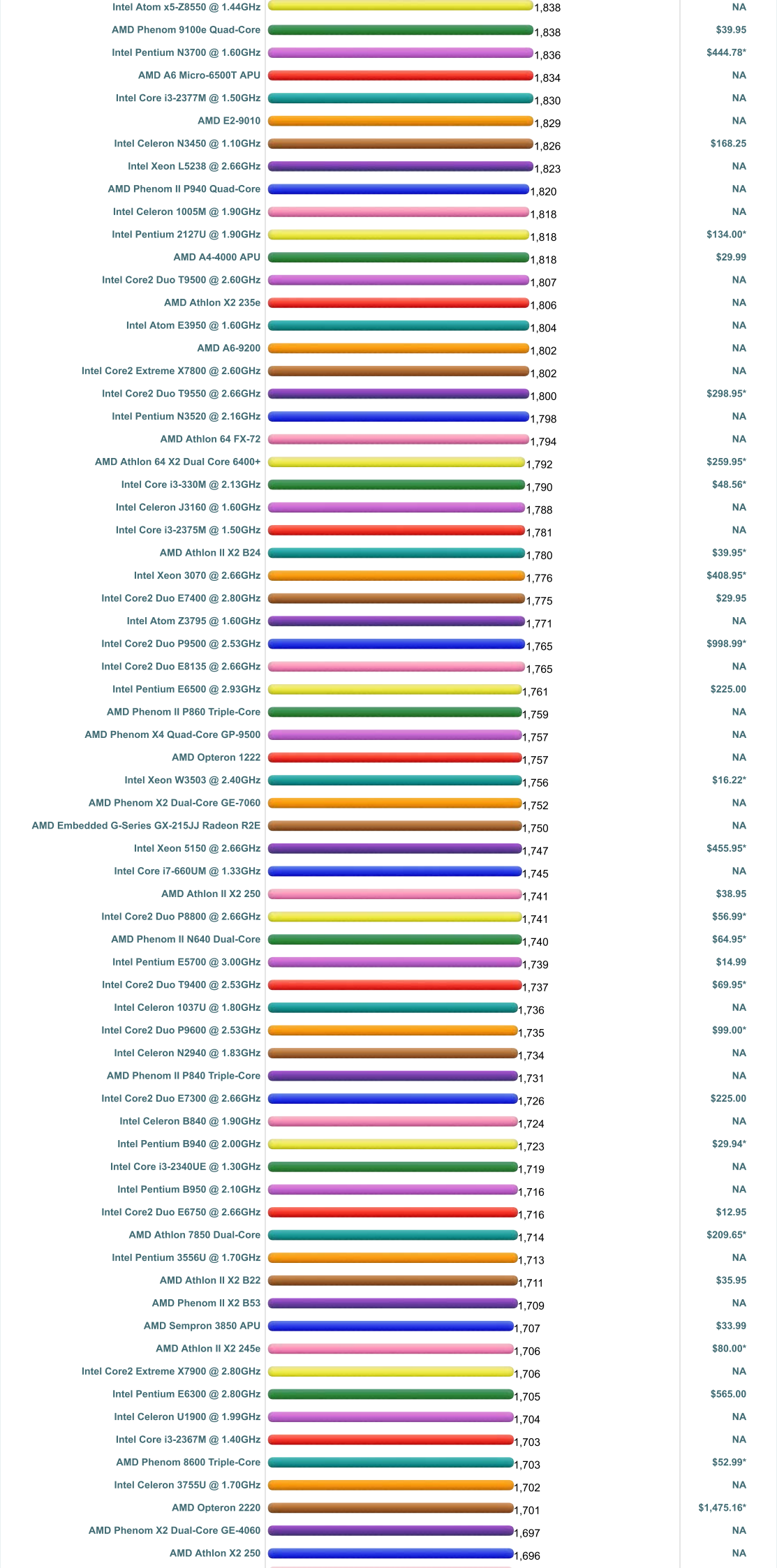
## PassMark - CPU Mark Low Mid Range CPUs - Updated 30th of July 2018

		Price (USD)
AMD PRO A6-8530B	2,435	NA
Intel Core i3-2310M @ 2.10GHz	2,428	\$44.99
Intel Xeon E3113 @ 3.00GHz	2,427	\$9.79*
Intel Xeon E5240 @ 3.00GHz	2,424	NA
Intel Celeron G555 @ 2.70GHz	2,422	\$153.59
AMD A6-5200 APU	2,421	NA
Intel Pentium 2030M @ 2.50GHz	2,414	\$134.00*
Intel Xeon E7320 @ 2.13GHz	2,413	NA
Intel Core i5-480M @ 2.67GHz	2,410	\$80.60*
AMD Embedded R-Series RX-216GD	2,409	NA
Intel Core2 Duo E8600 @ 3.33GHz	2,408	\$49.99
Intel Core i5-4200Y @ 1.40GHz	2,407	NA
AMD A4 PRO-3340B	2,402	NA
AMD Athlon X3 455	2,401	NA
Intel Xeon X5272 @ 3.40GHz	2,394	\$140.00*
Intel Pentium G3320TE @ 2.30GHz	2,389	NA
Intel Core i3-2332M @ 2.20GHz	2,382	NA
Intel Core i3-2312M @ 2.10GHz	2,381	NA
AMD A8-3530MX APU	2,378	NA
AMD Phenom II X4 8700e	2,377	NA
Intel Core i5-4210Y @ 1.50GHz	2,375	NA
Intel Pentium G630 @ 2.70GHz	2,374	\$19.95
Intel Core i5-520M @ 2.40GHz	2,371	\$59.99
AMD Opteron X3216 APU	2,368	NA
AMD Opteron 1352	2,368	\$135.99*
AMD A8-3510MX APU	2,367	NA
Intel Xeon E5603 @ 1.60GHz	2,366	\$129.04*
Intel Celeron 2000E @ 2.20GHz	2,365	NA
Intel Core2 Duo E8290 @ 2.83GHz	2,353	NA
Intel Celeron G1620T @ 2.40GHz	2,353	\$42.00*
AMD A6-6420K APU	2,351	\$71.00*
AMD A4 PRO-7300B APU	2,338	NA
Intel Core i5-2467M @ 1.60GHz	2,334	NA
Intel Atom C2550 @ 2.40GHz	2,329	NA
Intel Core i5-460M @ 2.53GHz	2,327	\$74.95*
AMD A4-6320 APU	2,322	\$104.09*
AMD Phenom 9350e Quad-Core	2,320	\$3,382.07*
AMD Athlon II X3 425	2,317	\$72.47*
AMD Athlon X3 445	2,314	NA
Intel Celeron 2970M @ 2.20GHz	2,312	NA
AMD Phenom 9600 Quad-Core	2,306	\$49.95
Intel Pentium 3550M @ 2.30GHz	2,304	NA
Intel Celeron G1610T @ 2.30GHz	2,304	\$40.04*



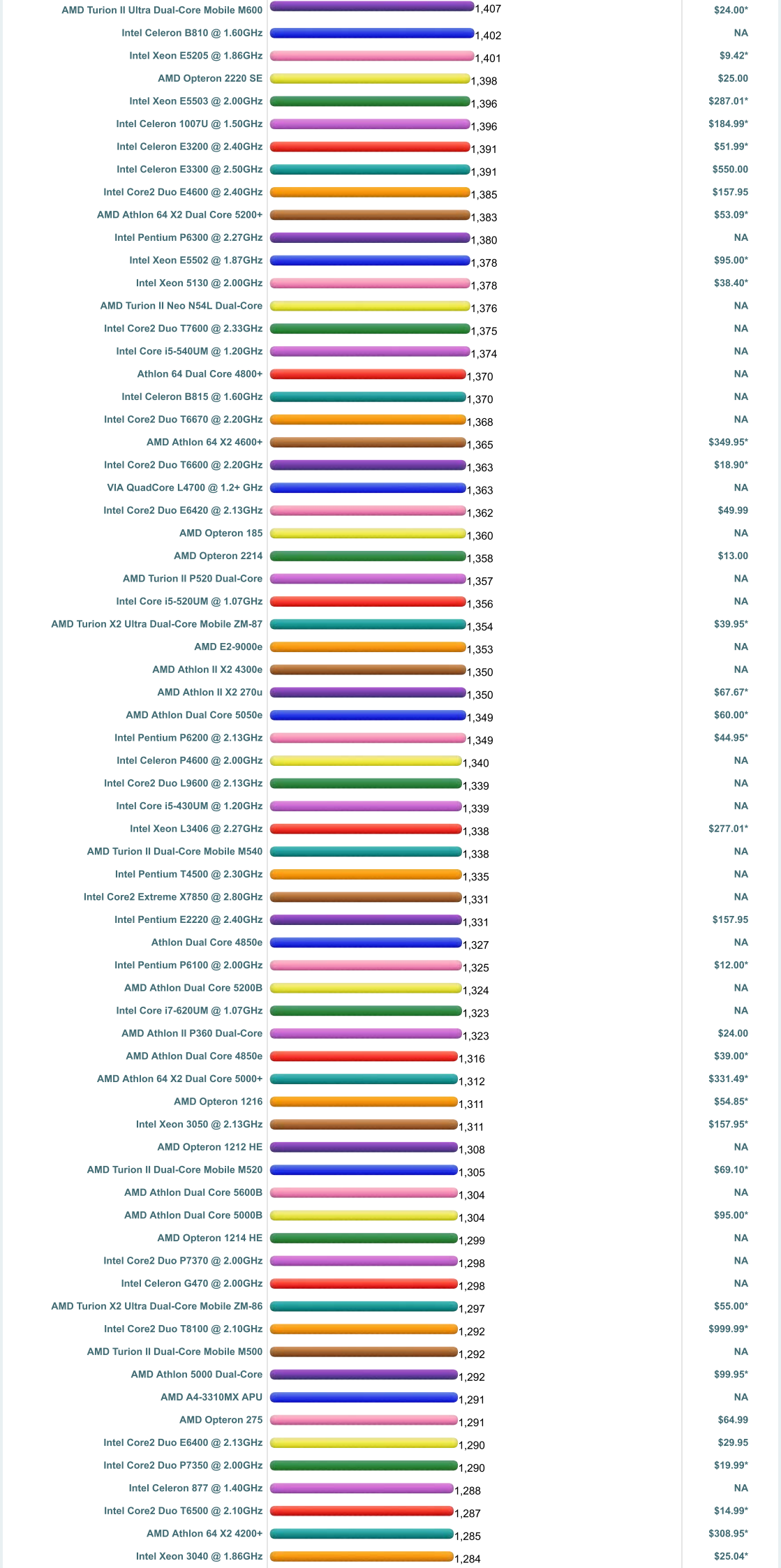


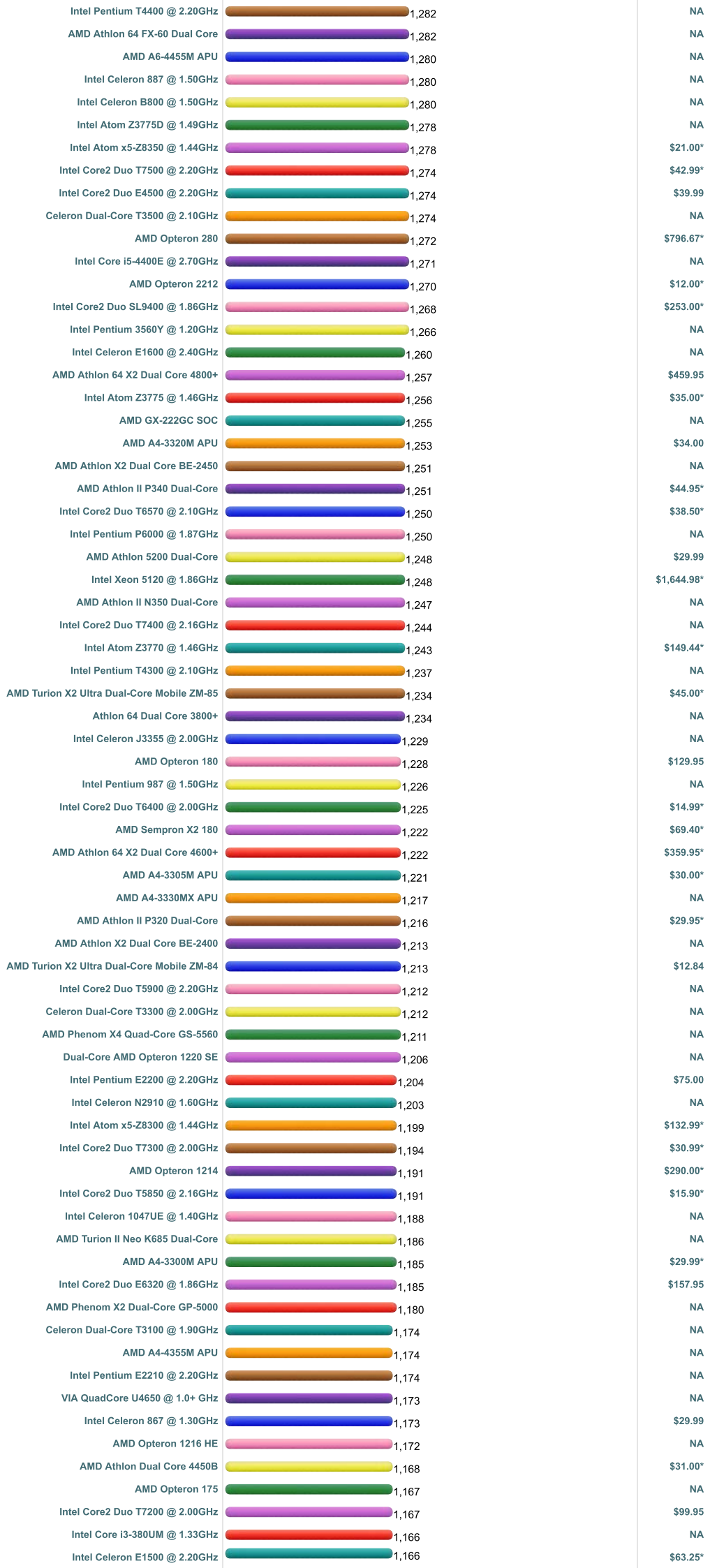


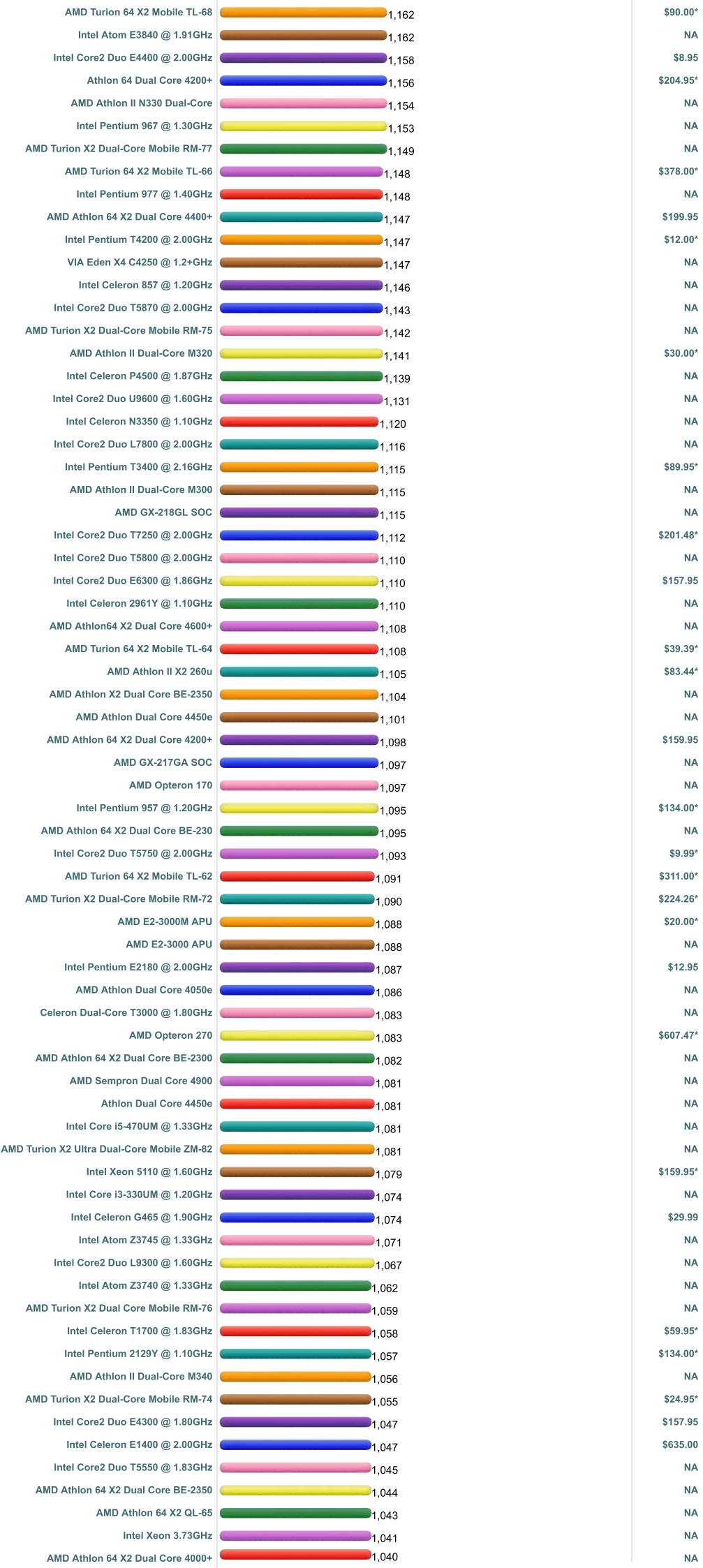


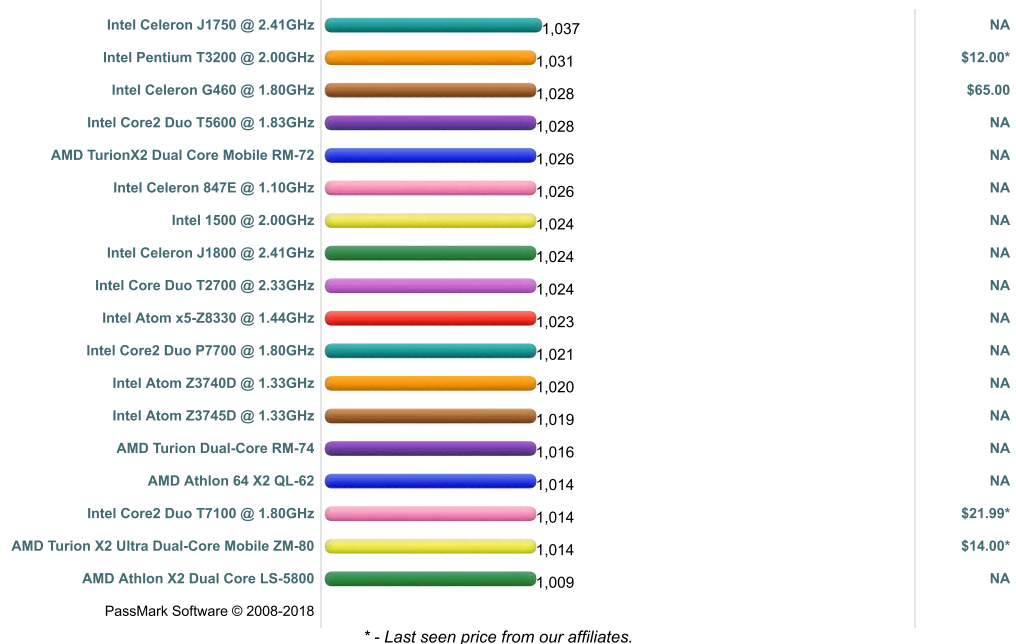
	AMD Athlon II X2 240e	1,695	\$34.95*
	Intel Core i3-3229Y @ 1.40GHz	1,694	NA
	Intel Core2 Duo E6700 @ 2.66GHz	1,694	\$29.99
	Intel Atom x5-Z8500 @ 1.44GHz	1,691	\$62.57*
	Intel Core2 Duo X7360 @ 2.53GHz	1,687	NA
	Intel Pentium 3558U @ 1.70GHz	1,686	NA
	Intel Core i7-680UM @ 1.47GHz	1,686	NA
	Intel Celeron N3160 @ 1.60GHz	1,686	\$286.99*
	AMD Phenom II N620 Dual-Core	1,679	\$39.86*
	Intel Core i3-2365M @ 1.40GHz	1,679	NA
	AMD A4-3420 APU	1,676	NA
	Intel Core2 Duo SP9400 @ 2.40GHz	1,675	\$284.00*
	Intel Celeron 1000M @ 1.80GHz	1,674	NA
	AMD A6-7000	1,671	NA
	AMD Athlon X2 240e	1,670	NA
	AMD Turion II Ultra Dual-Core Mobile M640	1,669	NA
	Intel Core2 Duo T9300 @ 2.50GHz	1,668	\$57.99*
	Intel Celeron G1101 @ 2.27GHz	1,667	\$14.44
	Intel Core i7-640UM @ 1.20GHz	1,666	NA
	Intel Core i5-560UM @ 1.33GHz	1,664	NA
	AMD Athlon II X2 245	1,662	\$34.95*
	Intel Pentium 2117U @ 1.80GHz	1,661	\$134.00*
	AMD Athlon II X2 235e	1,659	\$181.88*
	Intel Celeron 3855U @ 1.60GHz	1,657	NA
	AMD QC-4000	1,657	NA
	Intel Celeron N3150 @ 1.60GHz	1,657	NA
	AMD Opteron 1220	1,653	NA
	AMD Athlon II X2 240	1,644	\$34.95
	AMD E2-3800 APU	1,644	NA
	AMD Phenom 8250 Triple-Core	1,644	NA
	Intel Pentium E5500 @ 2.80GHz	1,639	\$19.99
	Intel Celeron 3215U @ 1.70GHz	1,639	NA
	Intel Xeon 5140 @ 2.33GHz	1,639	\$32.42*
	AMD Phenom 8400 Triple-Core	1,637	NA
	Intel Core2 Duo E7200 @ 2.53GHz	1,634	\$75.00
	Intel Celeron N2930 @ 1.83GHz	1,634	NA
	AMD Athlon II X2 220	1,633	\$32.19
	AMD A6-4400M APU	1,632	\$39.86*
	Intel Core2 Duo P8700 @ 2.53GHz	1,627	\$37.99*
	AMD Athlon X2 255	1,627	NA
	Intel Atom x5-E8000 @ 1.04GHz	1,623	NA
	Intel Celeron 3965Y @ 1.50GHz	1,619	\$107.00*
	AMD Phenom 8250e Triple-Core	1,619	\$46.99*
	AMD Athlon II X2 4400e	1,618	NA
	Athlon 64 Dual Core 5400+	1,614	NA
	Intel Celeron J1850 @ 1.99GHz	1,614	NA
	Intel Core2 Duo T7800 @ 2.60GHz	1,614	\$607.99*
	AMD A9-9420e	1,613	NA
	AMD A4-4300M APU	1,613	\$39.86
	AMD Phenom II P820 Triple-Core	1,610	NA
	Intel Pentium A1018 @ 2.10GHz	1,605	NA
	Intel Celeron G530T @ 2.00GHz	1,604	NA
	AMD A6 PRO-7050B APU	1,603	NA
	AMD Athlon 64 X2 Dual Core 6000+	1,603	\$32.50
	AMD Phenom II P650 Dual-Core	1,603	\$35.00*
	Intel Xeon 5133 @ 2.20GHz	1,598	NA
	AMD E2-9000	1,596	NA
	Intel Pentium E5400 @ 2.70GHz	1,596	\$19.99
	AMD A4-3400 APU	1,596	\$87.95
	AMD Opteron 2218	1,594	\$32.42*
	Intel Xeon 5148 @ 2.33GHz	1,590	\$39.99*
	AMD Turion II N530 Dual-Core	1,583	\$30.00*
	AMD Athlon 64 FX-62 Dual Core	1,579	NA
	AMD Athlon 7750 Dual-Core	1,579	\$148.71*
	AMD Athlon II X2 215	1,577	\$11.99*
	AMD R-260H APU	1,576	NA
	Intel Celeron 2980U @ 1.60GHz	1,576	NA
	Intel Celeron 2981U @ 1.60GHz	1,576	NA
	AMD Athlon X2 240	1,575	NA

	Intel Xeon 3085 @ 3.00GHz	1,570	NA
	Intel Core2 Duo P9300 @ 2.26GHz	1,564	NA
	AMD Athlon II N370 Dual-Core	1,559	NA
	Intel Core i3-2357M @ 1.30GHz	1,556	NA
	Intel Core2 Duo E6600 @ 2.40GHz	1,553	\$14.99
	Athlon 64 Dual Core 5600+	1,548	NA
	AMD A4 Micro-6400T APU	1,544	NA
	Intel Celeron 3205U @ 1.50GHz	1,541	\$287.04*
	Intel Core2 Duo P8600 @ 2.40GHz	1,540	\$49.18*
	Intel Pentium E5300 @ 2.60GHz	1,540	\$19.95
	AMD Turion II Ultra Dual-Core Mobile M660	1,533	NA
	AMD Athlon 64 X2 Dual Core 5800+	1,528	\$39.95*
	AMD Athlon II X2 225	1,526	NA
	Intel Core2 Duo P7550 @ 2.26GHz	1,523	\$229.99*
	Intel Core2 Duo E8135 @ 2.40GHz	1,523	NA
	Intel Celeron 1017U @ 1.60GHz	1,521	NA
	AMD A6-9220e	1,521	NA
	AMD Turion II N550 Dual-Core	1,521	NA
	AMD A6-1450 APU	1,520	NA
	Intel Pentium N3510 @ 1.99GHz	1,519	NA
	Intel Celeron B830 @ 1.80GHz	1,519	NA
	Intel Xeon 3060 @ 2.40GHz	1,518	\$157.95*
	AMD Opteron 2216	1,518	\$178.00
	Intel Celeron N2920 @ 1.86GHz	1,517	NA
	AMD Sempron X2 190	1,513	\$83.44*
	AMD Athlon X2 215	1,511	NA
	AMD Turion II P560 Dual-Core	1,511	NA
	Athlon 64 Dual Core 5000+	1,507	NA
	AMD A4-3300 APU	1,506	\$12.99
	AMD Athlon II X2 4450e	1,504	NA
	Intel Xeon 3065 @ 2.33GHz	1,504	\$20.90*
	Intel Core2 Duo E6550 @ 2.33GHz	1,499	\$14.95
	Intel Atom E3845 @ 1.91GHz	1,498	NA
	AMD GX-412HC	1,497	NA
	AMD Athlon 64 FX-74	1,495	\$499.50*
	Intel Pentium E5200 @ 2.50GHz	1,488	\$157.95
	AMD Athlon II X2 210e	1,486	NA
	Intel Core2 Duo E4700 @ 2.60GHz	1,484	\$100.00*
	AMD Athlon 64 X2 Dual Core 5600+	1,483	\$149.95
	Intel Core2 Duo T8300 @ 2.40GHz	1,478	\$213.99*
	AMD A6-5345M APU	1,476	NA
	AMD Opteron 285	1,470	NA
	AMD Opteron 1218	1,468	NA
	AMD Opteron 290	1,464	\$135.00*
	AMD Athlon 7550 Dual-Core	1,460	\$60.00*
	Intel Core2 Duo P8400 @ 2.26GHz	1,458	\$297.01*
	Intel Core2 Duo E6540 @ 2.33GHz	1,457	NA
	Intel Celeron E3500 @ 2.70GHz	1,454	\$39.99
	AMD TurionX2 Ultra DualCore Mobile ZM-85	1,454	NA
	AMD Athlon 64 X2 Dual Core 5400+	1,451	\$52.99*
	Intel Core2 Duo P7570 @ 2.26GHz	1,450	NA
	Intel Celeron 2957U @ 1.40GHz	1,449	NA
	AMD Athlon 7450 Dual-Core	1,448	NA
	AMD Athlon Dual Core 4850B	1,447	NA
	AMD Opteron 1218 HE	1,444	NA
	Intel Celeron E3400 @ 2.60GHz	1,441	\$49.85
	AMD E2-3200 APU	1,441	\$7.99*
	AMD Turion II P540 Dual-Core	1,438	\$49.96*
	AMD Phenom X2 Dual-Core GP-7730	1,435	NA
	Intel Celeron 2955U @ 1.40GHz	1,433	NA
	Intel Celeron B820 @ 1.70GHz	1,427	\$39.29*
	AMD Turion II Ultra Dual-Core Mobile M620	1,427	NA
	Intel Pentium 997 @ 1.60GHz	1,426	NA
	AMD Athlon X2 440	1,424	NA
	Intel Core2 Duo P7450 @ 2.13GHz	1,420	\$39.99*
	Intel Core2 Duo T7700 @ 2.40GHz	1,420	\$46.99*
	AMD Opteron 2214 HE	1,415	NA
	AMD Sempron X2 198 Dual-Core	1,413	NA
	AMD Athlon Dual Core 5400B	1,413	NA









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