



Home » CPU Benchmarks » High End CPU's

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# CPU Benchmarks

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## High End CPU's - Intel vs AMD

This chart comparing high end CPU's is made using thousands of **PerformanceTest** benchmark results and is updated daily. These are the high end AMD and Intel CPUs are typically those found in newer computers. The chart below compares the performance of Intel Xeon CPUs, Intel Core i7 CPUs, AMD Phenom II CPUs and AMD Opterons with multiple cores. Intel processors vs AMD chips - find out which CPU's performance is best for your new gaming rig or server!



How does your CPU perform? Add your CPU to our chart with **PerformanceTest**

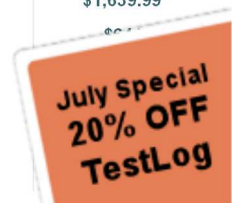
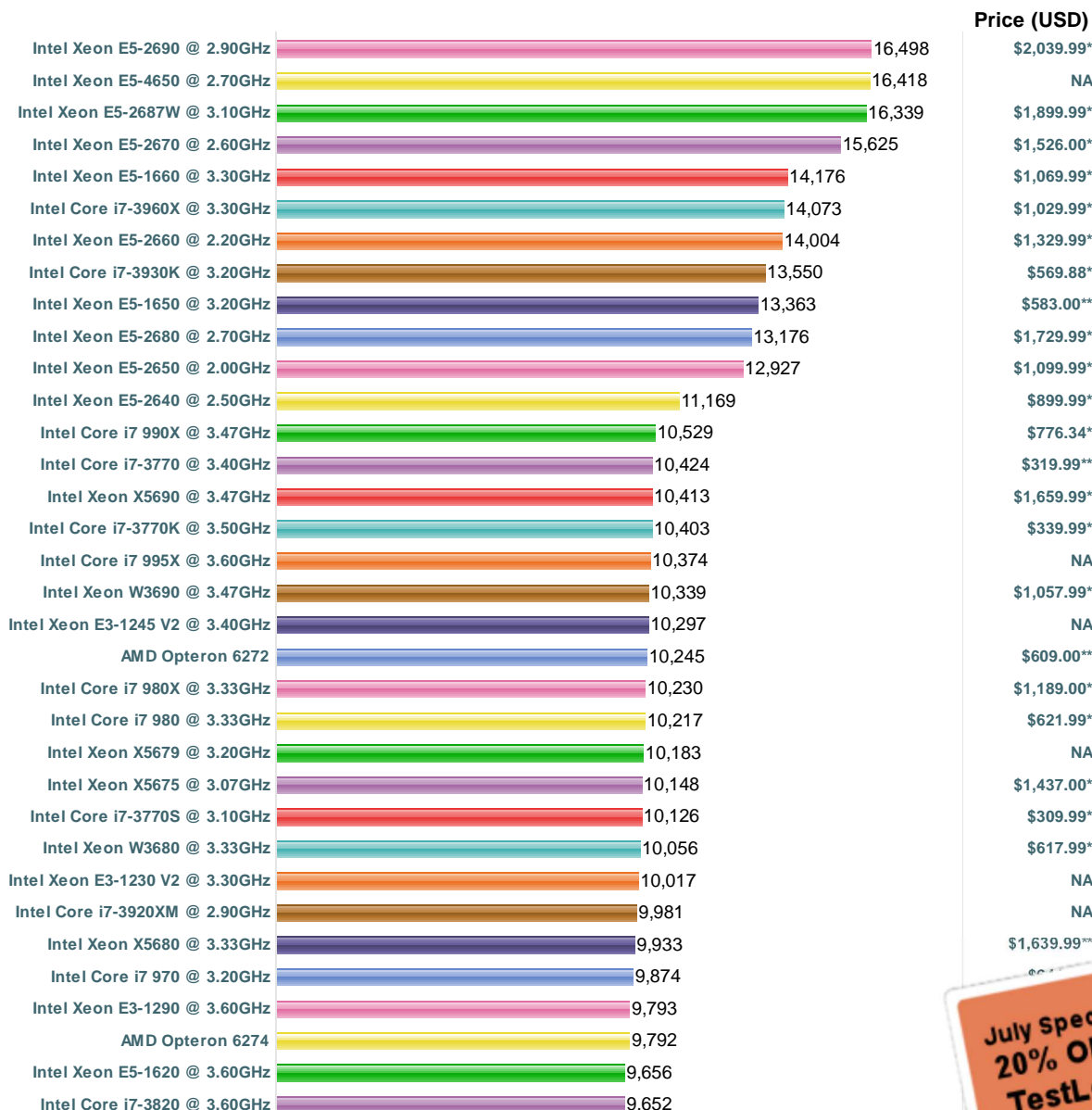
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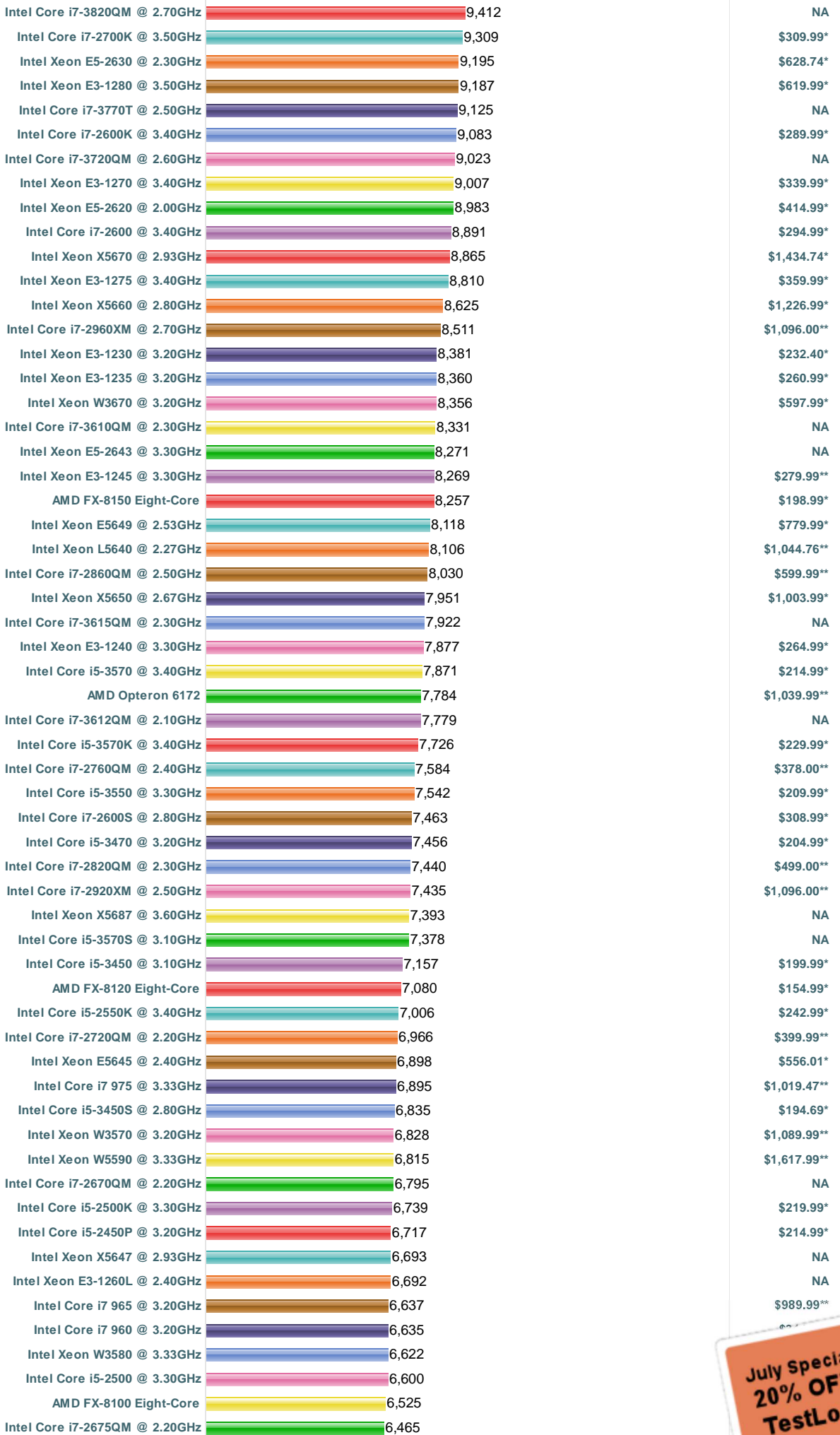
### CPU Mark | Price Performance

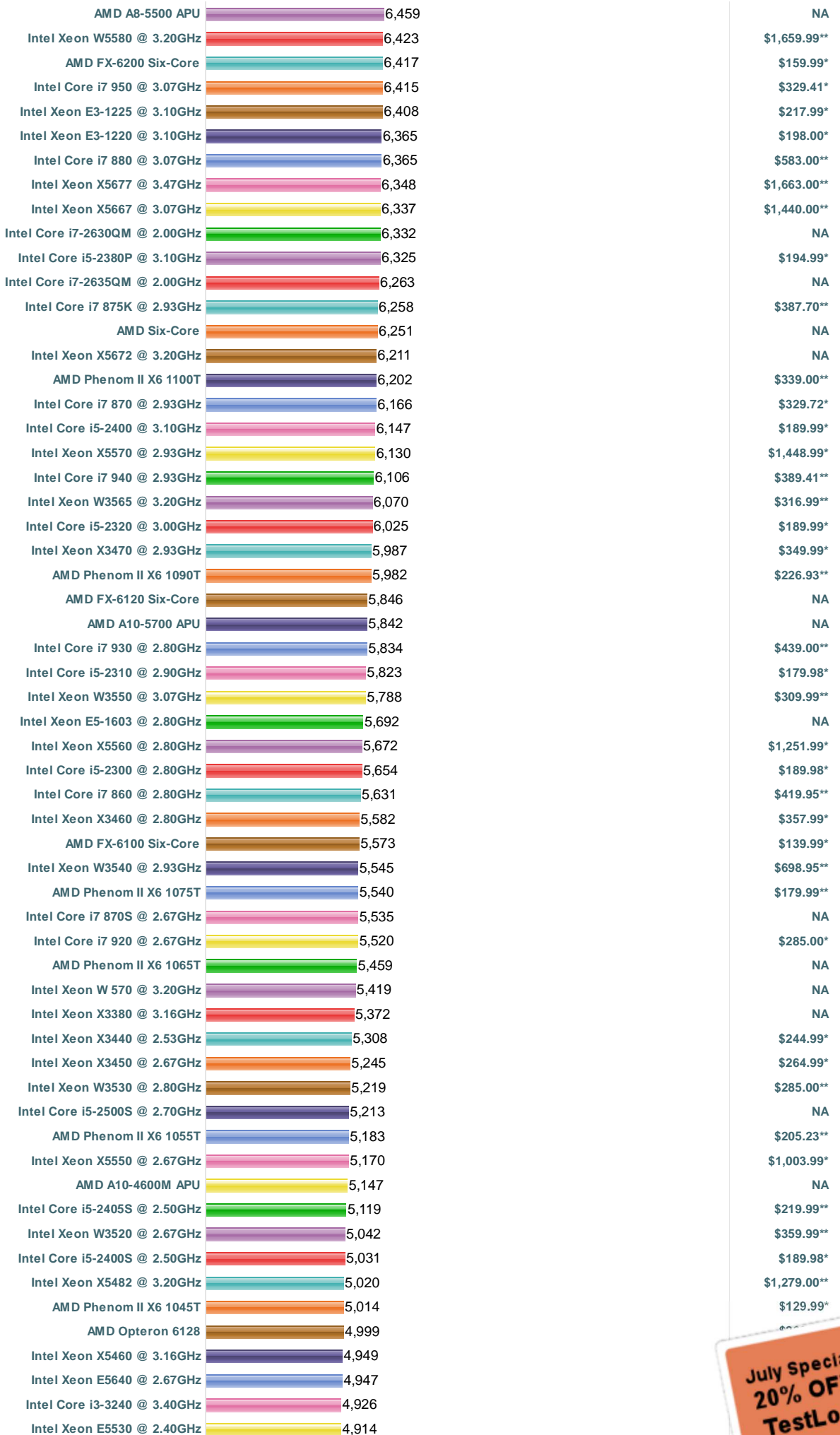
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### PassMark - CPU Mark

#### High End CPUs - Updated 17th of July 2012







Intel Xeon X3370 @ 3.00GHz	4,907	\$365.50**
Intel Xeon L5520 @ 2.27GHz	4,901	\$649.99**
AMD Phenom II X6 1035T	4,883	\$189.00*
Intel Xeon E5630 @ 2.53GHz	4,882	\$557.99*
Intel Core2 Extreme X9770 @ 3.20GHz	4,874	\$1,400.00**
Intel Core i5-2500T @ 2.30GHz	4,865	NA
AMD Athlon II X4 651 Quad-Core	4,855	\$102.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4,821	NA
Intel Xeon X5472 @ 3.00GHz	4,783	\$844.50**
AMD A8-3870 APU	4,783	NA
Intel Core i5-3470T @ 2.90GHz	4,768	NA
Intel Xeon X5470 @ 3.33GHz	4,693	NA
Intel Xeon E5620 @ 2.40GHz	4,689	NA
Intel Xeon X5492 @ 3.40GHz	4,639	\$1,391.29**
AMD FX-4170 Quad-Core	4,609	\$139.99*
Intel Xeon E5540 @ 2.53GHz	4,607	\$791.99**
Intel Core i7 940XM @ 2.13GHz	4,603	\$1,149.99**
Intel Core i5 760 @ 2.80GHz	4,592	\$219.38*
Six-Core AMD Opteron 2431	4,586	\$814.81**
Intel Xeon X5450 @ 3.00GHz	4,570	\$852.00**
Intel Core2 Extreme X9650 @ 3.00GHz	4,565	\$990.00**
Intel Core i5-3360M @ 2.80GHz	4,560	NA
Intel Core2 Quad Q9650 @ 3.00GHz	4,560	\$498.95*
AMD Phenom II X4 980	4,533	\$139.99**
Intel Core i7-3520M @ 2.90GHz	4,521	NA
AMD A8-4500M APU	4,515	NA
Intel Xeon E5520 @ 2.27GHz	4,461	\$379.99*
Intel Core i7 920XM @ 2.00GHz	4,456	\$1,144.69**
AMD Phenom II X4 975	4,443	\$114.99*
Intel Core i3-2130 @ 3.40GHz	4,421	\$148.73*
Intel Xeon E5440 @ 2.83GHz	4,365	\$379.42**
AMD Phenom II X4 970	4,339	\$109.99*
Intel Xeon E5462 @ 2.80GHz	4,338	\$255.99**
Intel Core i5 750 @ 2.67GHz	4,299	\$219.99**
Intel Core2 Quad Q9550 @ 2.83GHz	4,297	\$378.00*
Intel Xeon E5450 @ 3.00GHz	4,283	\$1,058.95**
Intel Core i5-3320M @ 2.60GHz	4,270	NA
Intel Xeon X3350 @ 2.66GHz	4,258	\$268.00**
AMD A8-3850 APU	4,257	\$99.99*
AMD A6-3600 APU	4,255	NA
AMD Athlon II X4 631 Quad-Core	4,237	\$69.99*
Intel Core i3-2120 @ 3.30GHz	4,219	\$109.99*
Intel Xeon X3360 @ 2.83GHz	4,206	\$268.00**
Intel Core i3-2125 @ 3.30GHz	4,201	\$146.35*
AMD Phenom II X4 965	4,199	\$109.99*
AMD Phenom II X4 B65	4,174	NA
Intel Xeon E5430 @ 2.66GHz	4,142	\$598.95**
AMD Phenom II X4 40	4,130	\$145.88**
AMD Phenom II X4 B97	4,121	NA
Intel Core i7-2640M @ 2.80GHz	4,088	NA
Intel Core i7-3517U @ 1.90GHz	4,079	NA
AMD Athlon II X4 555	4,069	NA
Intel Core2 Quad Q9450 @ 2.66GHz	4,039	\$317.00**
Intel Core2 Quad Q9505 @ 2.83GHz	4,039	\$247.23**
AMD Phenom II X4 15	4,031	
Intel Core2 Extreme X9775 @ 3.20GHz	4,028	
AMD A6-3670 APU	4,021	
Intel Core2 Quad Q9500 @ 2.83GHz	4,011	
Intel Core i7-2620M @ 2.70GHz	3,998	

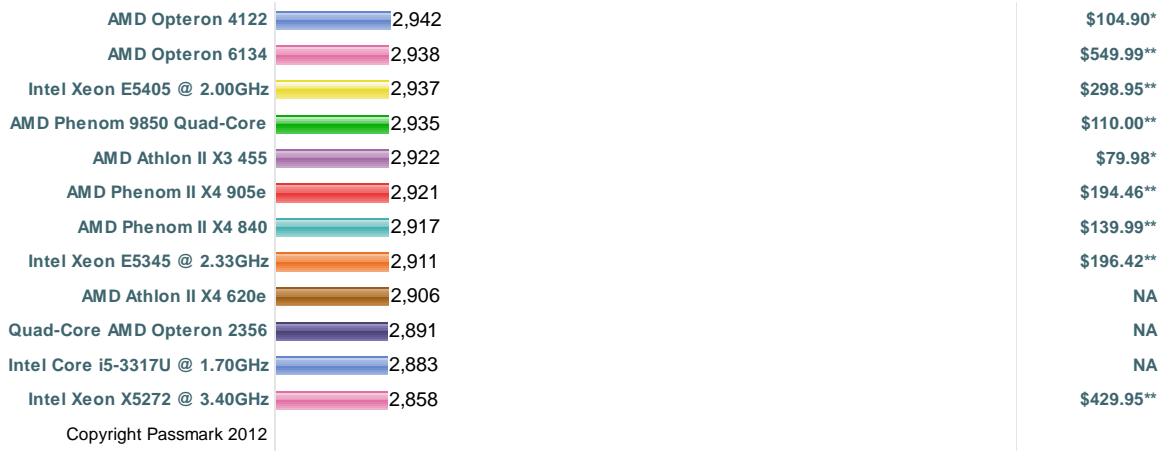
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AMD Phenom II X4 B60	3,997	NA
AMD FX-4100 Quad-Core	3,983	\$109.99*
Intel Core i5-3210M @ 2.50GHz	3,976	NA
AMD Phenom II X4 850	3,974	\$135.27**
Intel Core i5-2390T @ 2.70GHz	3,969	NA
Intel Core i3-2105 @ 3.10GHz	3,937	\$134.99*
Intel Xeon X5365 @ 3.00GHz	3,916	\$1,298.95**
Intel Core i7 840QM @ 1.87GHz	3,910	\$600.99**
AMD Phenom II X4 955	3,908	\$99.99*
Intel Core i3-2100 @ 3.10GHz	3,862	\$117.00*
AMD A8-3820 APU	3,855	NA
AMD Athlon II X4 650	3,847	NA
Intel Xeon X3430 @ 2.40GHz	3,845	\$214.99*
Intel Xeon L3426 @ 1.87GHz	3,840	\$325.99**
Intel Core i5-2540M @ 2.60GHz	3,837	\$277.66**
Intel Core2 Extreme Q6850 @ 3.00GHz	3,835	\$970.00**
Intel Xeon E5607 @ 2.27GHz	3,825	\$299.99*
Intel Core i5-3427U @ 1.80GHz	3,803	NA
Intel Xeon X3230 @ 2.66GHz	3,793	\$310.51**
Intel Core2 Extreme Q9300 @ 2.53GHz	3,793	NA
Intel Core2 Quad Q9400 @ 2.66GHz	3,784	\$329.95*
AMD Phenom II X4 960T	3,770	\$114.99**
Intel Xeon E5420 @ 2.50GHz	3,759	\$443.05**
Intel Core2 Extreme @ 2.40GHz	3,757	NA
Intel Xeon X3320 @ 2.50GHz	3,754	\$229.95**
Intel Xeon X3330 @ 2.66GHz	3,724	\$223.79**
AMD Phenom II X4 840T	3,716	NA
AMD Phenom II X4 B50	3,702	NA
Intel Xeon E5606 @ 2.13GHz	3,698	\$229.97*
Intel Core2 Quad Q8400 @ 2.66GHz	3,694	\$179.00**
AMD Phenom II X4 B95	3,679	\$225.00**
AMD Athlon X4 640	3,651	NA
AMD Athlon II X4 645	3,647	\$79.99*
AMD Phenom II X4 B35	3,641	NA
Intel Xeon E5507 @ 2.27GHz	3,632	\$284.99**
AMD Athlon II X4 641 Quad-Core	3,631	\$87.48*
Intel Core i7 740QM @ 1.73GHz	3,626	\$407.53**
Intel Core i7 820QM @ 1.73GHz	3,619	\$546.00**
AMD Phenom II X4 945	3,616	\$99.99*
Intel Core i5-2520M @ 2.50GHz	3,614	\$249.99**
Intel Core2 Quad Q9300 @ 2.50GHz	3,614	\$319.95**
AMD Phenom II X4 940	3,610	\$104.99**
AMD A6-3650 APU	3,600	\$92.88*
Intel Core i5-2450M @ 2.50GHz	3,579	NA
AMD A6-3620 APU	3,573	NA
Intel Core2 Quad Q8300 @ 2.50GHz	3,562	\$139.00*
Intel Xeon L5420 @ 2.50GHz	3,561	\$386.00**
Intel Core i3-3110M @ 2.40GHz	3,545	NA
AMD Phenom II X4 B45	3,539	NA
AMD Phenom II X4 973	3,530	NA
Intel Core2 Quad Q9100 @ 2.26GHz	3,525	\$385.89**
AMD Athlon X4 645	3,522	NA
AMD A8-3800 APU	3,517	NA
Intel Core i5 680 @ 3.60GHz	3,508	\$326.35**
Intel Core2 Extreme Q6800 @ 2.93GHz	3,505	\$140.00**
Intel Core2 Extreme @ 2.26GHz	3,499	\$140.00**
AMD Phenom II 42 TWKR Black Edition	3,489	\$140.00**
AMD Phenom II X4 830	3,481	\$140.00**
Intel Xeon E5410 @ 2.33GHz	3,476	\$140.00**



AMD Phenom II X4 B25	3,469	NA
AMD Athlon II X4 640	3,464	\$101.69*
AMD Phenom II X4 820	3,463	\$89.99**
Intel Core i5-2430M @ 2.40GHz	3,453	NA
AMD Phenom II X4 925	3,436	\$94.99**
AMD Phenom FX-5200 Quad-Core	3,436	NA
Intel Xeon X5355 @ 2.66GHz	3,423	\$490.00**
AMD Phenom FX-7750 Quad-Core	3,421	NA
AMD Phenom II X4 B40	3,408	NA
Intel Xeon E5506 @ 2.13GHz	3,391	\$229.99*
Intel Core i5 655K @ 3.20GHz	3,390	\$182.61**
Intel Xeon E3-1220L @ 2.20GHz	3,381	NA
AMD Phenom II X4 B55	3,364	NA
Intel Core i5-2410M @ 2.30GHz	3,362	NA
AMD Athlon II X4 635	3,361	\$79.99**
Intel Core2 Quad Q6700 @ 2.66GHz	3,356	\$849.95**
Intel Core i7 720QM @ 1.60GHz	3,350	NA
Intel Core i5-2435M @ 2.40GHz	3,335	NA
AMD Phenom II X4 920	3,302	\$109.99**
Intel Core i5 661 @ 3.33GHz	3,300	\$196.56**
AMD Phenom II X4 05e	3,298	NA
Quad-Core AMD Opteron 2378	3,296	\$179.00**
Intel Core i3-2100T @ 2.50GHz	3,284	\$136.72*
Intel Core i5-2515E @ 2.50GHz	3,282	NA
Intel Core2 Quad Q8200 @ 2.33GHz	3,281	\$229.95**
AMD Phenom II X3 B77	3,276	NA
Intel Core i7-2637M @ 1.70GHz	3,275	NA
AMD Phenom II X4 B93	3,268	NA
AMD Phenom II X4 910	3,251	\$204.19**
AMD Athlon II X4 630	3,247	\$79.99**
AMD Phenom 9850B Quad-Core	3,229	NA
Intel Core i3-2370M @ 2.40GHz	3,228	NA
Intel Core i5 670 @ 3.47GHz	3,221	\$342.95**
Intel Core i5 650 @ 3.20GHz	3,214	\$184.10*
Intel Core i5-2415M @ 2.30GHz	3,193	NA
Intel Core i3 560 @ 3.33GHz	3,186	\$137.00**
Intel Core i5 660 @ 3.33GHz	3,181	\$339.95**
Intel Core i7-2677M @ 1.80GHz	3,174	NA
Intel Xeon E5504 @ 2.00GHz	3,126	\$247.99*
AMD Phenom II X4 810	3,117	\$115.99**
AMD Phenom II X4 910e	3,109	\$156.99**
Intel Core i3 550 @ 3.20GHz	3,106	\$118.81*
Intel Core i3-2120T @ 2.60GHz	3,088	\$134.99*
AMD Phenom FX-5000 Quad-Core	3,066	NA
AMD Athlon X3 450	3,064	\$78.99**
AMD Phenom II X4 900e	3,048	NA
AMD Phenom II X4 805	3,047	\$173.99**
Intel Xeon X3220 @ 2.40GHz	3,040	\$298.95**
AMD Phenom 9950 Quad-Core	3,030	\$156.99**
Intel Core2 Quad Q9000 @ 2.00GHz	3,020	\$389.00**
Intel Core i5-2510E @ 2.50GHz	3,014	NA
AMD Athlon II X3 460	3,006	\$89.99*
Intel Core i7 640M @ 2.80GHz	2,992	NA
AMD Athlon II X4 620	2,983	\$89.00**
Intel Core i7-2617M @ 1.50GHz	2,972	
AMD A6-3400M APU	2,972	
Intel Core2 Quad Q6600 @ 2.40GHz	2,972	
AMD Athlon II X4 615e	2,960	
Intel Core i3-2350M @ 2.30GHz	2,943	

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