

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## Multiple CPU Systems

This chart comparing multi CPU systems is made using thousands of [PerformanceTest](#) benchmark results and is updated daily. This chart mainly compares Dual CPUs, Quad CPUs and 8-way CPUs such as the Intel Xeon and the AMD Opteron processors which can be placed in multiple socket motherboards. These multi-CPU systems are commonly used in server machines that require high performance CPUs with intensive processing capabilities such as web servers, gateway servers, VM servers and online gaming servers.

Unlike the other charts, this charts is only comprised of V8 and V9 submissions. We have released one last chart for PerformanceTest V7, available [here](#).

**AMD Ryzen™ Embedded V1000**

Advantech Mini-ITX boards

Industrial grade Mini-ITX boards with AMD V-Series, with 4 x DP, 6 x USB, 6 x COM  
[buy.advantech.eu](http://buy.advantech.eu)

OPEN

	CPU Mark	Price Performance
<b>PassMark - CPU Mark</b>		
Multiple CPU Systems		
	CPU	Price (USD)
High End	[Dual CPU] AMD EPYC 7742	<a href="#">55.574</a> <a href="#">\$13,900.00*</a>
High Mid Range	[Quad CPU] Intel Xeon Platinum 8180M @ 2.50GHz	<a href="#">48.904</a> <a href="#">NA</a>
Low Mid Range	[Dual CPU] AMD EPYC 7542	<a href="#">46.721</a> <a href="#">NA</a>
Low End	[Quad CPU] Intel Xeon Platinum 8180 @ 2.50GHz	<a href="#">44.139</a> <a href="#">\$40,060.00*</a>
Best Value (On Market)	[Quad CPU] Intel Xeon Gold 6248 @ 2.50GHz	<a href="#">41.863</a> <a href="#">\$13,199.96*</a>
Best Value XY Scatter	[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	<a href="#">41.159</a> <a href="#">\$7,200.00</a>
Best Value (All time)	[Dual CPU] Intel Xeon Platinum 8268 @ 2.90GHz	<a href="#">41.119</a> <a href="#">\$11,260.00</a>
New Desktop	[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	<a href="#">40.785</a> <a href="#">\$16,435.80</a>
New Laptop	[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	<a href="#">39.259</a> <a href="#">\$11,780.00*</a>
Single Thread	[Dual CPU] Intel Xeon Gold 6248 @ 2.50GHz	<a href="#">38.755</a> <a href="#">\$6,599.98*</a>
Systems with Multiple CPUs	[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz	<a href="#">38.657</a> <a href="#">\$9,404.00*</a>
Overclocked	[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	<a href="#">37.838</a> <a href="#">\$15,408.00*</a>
Power Performance	[Dual CPU] Intel Xeon Gold 6252 @ 2.10GHz	<a href="#">37.405</a> <a href="#">\$7,999.98*</a>
CPU Mark by Socket Type	[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	<a href="#">37.312</a> <a href="#">\$20,030.00*</a>
CPU Mega List	[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	<a href="#">37.168</a> <a href="#">\$7,818.00*</a>
Search Model	[Quad CPU] Intel Xeon E7-8895 v2 @	<a href="#">36.830</a> <a href="#">NA</a>

Compare 0

CPU Benchmarks

Common

Most Benchmarked

AMD vs Intel Market Share

## AMD Ryzen™ Embedded V1000

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### Advantech Mini-ITX boards

Industrial grade Mini-ITX boards with AMD V-Series, with 4 x DP, 6 x USB, 6 x COM

OPEN

[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36.731	\$5.850.00*
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36.410	NA
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36.271	NA
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36.068	NA
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34.600	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34.471	\$24.800.00*
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	34.125	\$5.397.90*
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34.013	\$8.478.00
[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz	33.741	\$6.572.00*
[Dual CPU] AMD EPYC 7601	33.545	\$6.279.12
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33.142	\$8.217.90
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	33.019	\$5.356.98
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	32.941	\$6.569.90*
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32.589	\$4.879.98*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32.235	\$7.259.18*
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31.897	NA
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31.774	\$6.019.90*
[Dual CPU] AMD EPYC 7551	31.452	\$2.839.80
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	31.379	\$6.509.68*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30.855	\$14.436.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.10GHz	30.833	\$6.452.00*
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30.440	\$6.109.98*
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30.313	\$4.996.00*
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29.934	\$5.404.00*
[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz	29.907	NA
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29.725	\$5.227.18*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29.655	\$9.217.90*
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	29.460	NA
[Dual CPU] Intel Xeon Platinum 8160T @ 2.10GHz	29.251	\$9.872.00*
[Dual CPU] AMD EPYC 7501	28.991	\$4.121.72
[Dual CPU] AMD EPYC 7451	28.957	\$4.739.50
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28.848	\$6.116.66*
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28.802	\$5.850.00*
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	28.784	NA
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	28.610	\$3.779.94*
[Quad CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	28.569	\$22.916.00*
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	28.325	\$1.499.88
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27.932	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
				[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27.522	
				[Dual CPU] Intel Xeon E5-4669 v3 @ 2.70GHz	27.457	\$10,898.00*
				[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27.411	\$4,339.98*
				[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27.386	\$1,018.00
				[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27.355	\$2,698.00*
				[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26.907	NA
				[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26.649	\$4,349.98*
				[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	26.537	NA
				[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	26.366	\$3,895.56
				[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26.341	\$2,453.98
				[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26.203	\$2,035.80*
				[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26.139	\$5,127.80
				[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25.801	\$460.00
				[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	25.703	NA
				[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	25.402	\$1,260.42
				[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25.109	\$3,122.00*
				[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24.989	\$4,417.86*
				[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	24.959	\$4,440.00*
				[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24.877	NA
				[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24.793	\$979.98*
				[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24.681	\$2,035.80*
				[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	24.666	\$4,300.00
				[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24.651	\$11,616.00*
				[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24.293	\$1,197.38
				[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24.220	\$369.98
				[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24.133	NA
				[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23.560	\$545.16
				[Dual CPU] AMD EPYC 7401	23.518	\$3,249.80
				[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23.501	NA
				[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23.393	NA
				[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23.350	\$719.80*
				[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23.297	\$618.00
				[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23.137	NA
				[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23.086	\$2,999.98*
				[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz	22.983	\$3,319.90*
				[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	22.916	\$3,898.06*
				[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22.810	\$2,098.72*

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz					<b>28.725</b>	<b>\$8,519.50*</b>
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz						
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz					<b>22.686</b>	<b>\$660.00*</b>
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz					<b>22.604</b>	<b>\$719.98</b>
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz					<b>22.461</b>	<b>\$9,600.00*</b>
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz					<b>22.412</b>	<b>\$12,400.00*</b>
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz					<b>22.374</b>	<b>\$639.90</b>
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz					<b>22.298</b>	<b>\$309.98</b>
[Dual CPU] Intel Xeon Gold 5217 @ 3.00GHz					<b>22.282</b>	<b>\$3,044.00*</b>
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz					<b>22.049</b>	<b>NA</b>
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz					<b>22.011</b>	<b>\$2,618.10*</b>
[Dual CPU] Intel Xeon E5-4650 v4 @ 2.20GHz					<b>21.855</b>	<b>\$7,676.00*</b>
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz					<b>21.751</b>	<b>\$1,400.00*</b>
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz					<b>21.534</b>	<b>\$3,342.50*</b>
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz					<b>21.461</b>	<b>\$350.00</b>
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz					<b>21.437</b>	<b>NA</b>
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz					<b>21.435</b>	<b>\$1,886.26*</b>
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz					<b>21.250</b>	<b>NA</b>
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz					<b>21.194</b>	<b>\$1,019.98*</b>
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz					<b>21.029</b>	<b>\$519.98</b>
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz					<b>20.924</b>	<b>\$2,992.00*</b>
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz					<b>20.906</b>	<b>\$517.98</b>
[Quad CPU] AMD Opteron 6378					<b>20.859</b>	<b>\$4,059.40</b>
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz					<b>20.856</b>	<b>NA</b>
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz					<b>20.809</b>	<b>\$2,907.98</b>
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz					<b>20.787</b>	<b>\$414.00*</b>
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz					<b>20.680</b>	<b>\$385.98</b>
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz					<b>20.653</b>	<b>NA</b>
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz					<b>20.642</b>	<b>\$418.00</b>
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz					<b>20.530</b>	<b>\$1,840.54*</b>
[Dual CPU] Intel Xeon E5-4640 v3 @ 1.90GHz					<b>20.468</b>	<b>NA</b>
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz					<b>20.294</b>	<b>\$245.04</b>
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz					<b>20.211</b>	<b>\$6,008.00*</b>
[Quad CPU] Intel Xeon E5-4640 v2 @ 2.20GHz					<b>20.036</b>	<b>\$1,088.16*</b>
[Dual CPU] Intel Xeon Silver 4209T @ 2.20GHz					<b>20.002</b>	<b>\$1,002.00*</b>
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz					<b>19.797</b>	<b>\$270.00*</b>
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz					<b>19.762</b>	<b>NA</b>

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz					<a href="#">18.588</a>	<a href="#">\$3,249.00*</a>
[Dual CPU] Intel Xeon E5-2652 v3 @ 2.90GHz						
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz					<a href="#">19.583</a>	<a href="#">NA</a>
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz					<a href="#">19.491</a>	<a href="#">\$1,017.90*</a>
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz					<a href="#">19.391</a>	<a href="#">NA</a>
[Dual CPU] AMD EPYC 7371					<a href="#">19.370</a>	<a href="#">\$3,100.00*</a>
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz					<a href="#">19.362</a>	<a href="#">NA</a>
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz					<a href="#">19.256</a>	<a href="#">\$1,168.76</a>
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz					<a href="#">19.209</a>	<a href="#">\$544.08*</a>
[Dual CPU] Intel Xeon Gold 6126T @ 2.60GHz					<a href="#">19.161</a>	<a href="#">\$3,730.00*</a>
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz					<a href="#">19.113</a>	<a href="#">\$2,442.00*</a>
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz					<a href="#">18.872</a>	<a href="#">\$175.18</a>
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz					<a href="#">18.822</a>	<a href="#">\$359.98*</a>
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz					<a href="#">18.725</a>	<a href="#">\$1,118.00</a>
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz					<a href="#">18.572</a>	<a href="#">\$444.00</a>
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz					<a href="#">18.571</a>	<a href="#">\$148.64</a>
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz					<a href="#">18.565</a>	<a href="#">\$139.98*</a>
[Quad CPU] Intel Xeon E5-4650L @ 2.60GHz					<a href="#">18.557</a>	<a href="#">\$479.96*</a>
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz					<a href="#">18.512</a>	<a href="#">\$188.00</a>
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz					<a href="#">18.165</a>	<a href="#">\$290.00</a>
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz					<a href="#">18.089</a>	<a href="#">\$3,121.72*</a>
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz					<a href="#">17.965</a>	<a href="#">\$20,034.04*</a>
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz					<a href="#">17.795</a>	<a href="#">\$425.78</a>
[Dual CPU] Intel Xeon E5-2658A v3 @ 2.20GHz					<a href="#">17.786</a>	<a href="#">\$3,664.00*</a>
[8-Way] Intel Xeon X7560 @ 2.27GHz					<a href="#">17.658</a>	<a href="#">\$176.00*</a>
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz					<a href="#">17.463</a>	<a href="#">\$2,563.90</a>
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz					<a href="#">17.398</a>	<a href="#">\$131.96*</a>
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz					<a href="#">17.127</a>	<a href="#">\$279.96*</a>
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz					<a href="#">17.053</a>	<a href="#">\$204.74*</a>
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz					<a href="#">16.920</a>	<a href="#">NA</a>
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz					<a href="#">16.874</a>	<a href="#">\$359.60*</a>
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz					<a href="#">16.817</a>	<a href="#">\$752.82</a>
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz					<a href="#">16.703</a>	<a href="#">\$2,136.08</a>
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz					<a href="#">16.453</a>	<a href="#">\$729.98</a>
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz					<a href="#">16.395</a>	<a href="#">\$330.38</a>
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz					<a href="#">16.378</a>	<a href="#">\$263.64*</a>
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz					<a href="#">16.370</a>	<a href="#">\$103.40</a>
[Quad CPU] Intel Xeon E7-4850 v2 @					---	---

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
				[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	<a href="#">15.972</a>	<a href="#">\$1,019.90*</a>
				[Dual CPU] Intel Xeon E5-2630 v2 @ 2.00GHz	<a href="#">15.944</a>	<a href="#">\$67.89</a>
				[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	<a href="#">15.897</a>	<a href="#">\$5,460.00*</a>
				[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	<a href="#">15.884</a>	<a href="#">\$268.22</a>
				[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	<a href="#">15.686</a>	<a href="#">NA</a>
				[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	<a href="#">15.433</a>	<a href="#">\$159.96*</a>
				[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	<a href="#">15.429</a>	<a href="#">\$756.00*</a>
				[Dual CPU] Intel Xeon E5-4617 @ 2.90GHz	<a href="#">15.383</a>	<a href="#">\$179.80*</a>
				[Quad CPU] AMD Opteron 6276	<a href="#">15.342</a>	<a href="#">\$676.00</a>
				[Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz	<a href="#">15.263</a>	<a href="#">\$378.00*</a>
				[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	<a href="#">15.263</a>	<a href="#">\$178.00</a>
				[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	<a href="#">15.183</a>	<a href="#">\$679.90*</a>
				[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	<a href="#">15.106</a>	<a href="#">\$317.98</a>
				[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	<a href="#">15.036</a>	<a href="#">\$87.00</a>
				[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	<a href="#">14.876</a>	<a href="#">\$7,676.00*</a>
				[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	<a href="#">14.669</a>	<a href="#">\$536.84*</a>
				[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	<a href="#">14.644</a>	<a href="#">\$119.90</a>
				[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	<a href="#">14.589</a>	<a href="#">NA</a>
				[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	<a href="#">14.505</a>	<a href="#">\$319.20</a>
				[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	<a href="#">14.339</a>	<a href="#">\$1,298.00*</a>
				[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	<a href="#">14.276</a>	<a href="#">\$119.96</a>
				[Dual CPU] AMD Opteron 6380	<a href="#">14.200</a>	<a href="#">\$119.48</a>
				[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	<a href="#">14.004</a>	<a href="#">\$271.68*</a>
				[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	<a href="#">13.855</a>	<a href="#">\$2,924.00*</a>
				[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	<a href="#">13.801</a>	<a href="#">\$2,958.00*</a>
				[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	<a href="#">13.763</a>	<a href="#">\$202.70</a>
				[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	<a href="#">13.742</a>	<a href="#">\$239.98*</a>
				[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	<a href="#">13.706</a>	<a href="#">\$78.20*</a>
				[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	<a href="#">13.673</a>	<a href="#">\$119.90</a>
				[Dual CPU] Intel Xeon X5690 @ 3.47GHz	<a href="#">13.651</a>	<a href="#">\$246.00</a>
				[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	<a href="#">13.628</a>	<a href="#">\$319.96*</a>
				[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	<a href="#">13.621</a>	<a href="#">\$158.00*</a>
				[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	<a href="#">13.615</a>	<a href="#">\$1,027.98*</a>
				[Quad CPU] Intel Xeon E7-4830 @ 2.13GHz	<a href="#">13.606</a>	<a href="#">\$129.20*</a>
				[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	<a href="#">13.443</a>	<a href="#">\$79.88*</a>
				[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	<a href="#">13.442</a>	<a href="#">\$256.00*</a>
				[Dual CPU] Intel Xeon X5679 @ 3.20GHz	<a href="#">13.428</a>	<a href="#">NA</a>
				[Dual CPU] Intel Xeon X5680 @	<a href="#">-----</a>	<a href="#">-----</a>

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
		[Dual CPU] AMD EPYC 7281			13.293	\$1,297.94
		[Quad CPU] AMD Opteron 6376			13.257	\$263.32
		[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz			13.225	\$80.88
		[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz			13.220	\$204.24
		[Dual CPU] AMD EPYC 7251			12.955	\$1,187.40
		[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz			12.854	\$1,019.90*
		[Quad CPU] Intel Xeon X7560 @ 2.27GHz			12.824	\$88.00*
		[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz			12.698	\$799.96*
		[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz			12.620	\$1,098.00*
		[Dual CPU] Intel Xeon X5675 @ 3.07GHz			12.450	\$105.98
		[Quad CPU] AMD Opteron 6380			12.442	\$238.96
		[Dual CPU] AMD EPYC 7261			12.430	\$894.94
		[Dual CPU] Intel Xeon E5-2440 @ 2.40GHz			12.419	\$79.98
		[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz			12.399	NA
		[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz			12.354	NA
		[Quad CPU] AMD Opteron 6272			12.292	\$279.96
		[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz			12.233	\$57.98
		[Dual CPU] AMD Opteron 6386 SE			12.195	\$289.98
		[Dual CPU] AMD Opteron 6386 HE			12.147	\$59.98*
		[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz			12.145	\$270.00*
		[Dual CPU] Intel Xeon X5670 @ 2.93GHz			12.082	\$68.00
		[Quad CPU] AMD Opteron 6278			12.055	\$499.80
		[Quad CPU] Intel Xeon X7460 @ 2.66GHz			12.029	\$2,835.80*
		[Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz			12.016	\$8,454.00*
		[Dual CPU] AMD Opteron 6328			12.013	\$728.48
		[Dual CPU] AMD Opteron 6284 SE			11.985	\$699.98*
		[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz			11.910	\$83.14
		[Dual CPU] Intel Xeon X5687 @ 3.60GHz			11.736	\$112.64*
		[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz			11.664	\$260.00*
		[Dual CPU] Intel Xeon X5660 @ 2.80GHz			11.631	\$126.38*
		[Quad CPU] Intel Xeon X7550 @ 2.00GHz			11.498	\$1,100.00*
		[Dual CPU] AMD Opteron 6348			11.412	\$612.20
		[Dual CPU] AMD Opteron 4386			11.410	\$279.98*
		[Dual CPU] Intel Xeon E5-2448L @ 1.80GHz			11.334	NA
		[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz			11.299	\$780.04*
		[Dual CPU] Intel Xeon X5650 @ 2.67GHz			11.231	\$138.86*
		[Dual CPU] Intel Xeon X7560 @ 2.27GHz			11.230	\$44.00*
		[Dual CPU] AMD Opteron 6344			11.203	\$778.00*
		[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz			11.172	NA
		[Dual CPU] Intel Xeon X5677 @ 3.47GHz			11.157	\$170.00*
		[Quad CPU] AMD Opteron 6282 SE			11.044	\$2,560.00*

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
				[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11,012	\$712.54*
				[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10,993	\$719.46*
				[Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz	10,965	\$399.98*
				[Dual CPU] AMD Opteron 6275	10,900	NA
				[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	10,818	\$64.56*
				[Dual CPU] AMD Opteron 6220	10,740	\$119.98*
				[Dual CPU] AMD Opteron 6320	10,716	\$518.02
				[Dual CPU] AMD Opteron 6274	10,536	\$130.00
				[Quad CPU] AMD Opteron 6274	10,488	\$260.00
				[Dual CPU] AMD Opteron 6376	10,452	\$131.66
				[Dual CPU] AMD Opteron 4340	10,419	\$479.98*
				[Quad CPU] Intel Xeon L7555 @ 1.87GHz	10,406	NA
				[Dual CPU] AMD Opteron 6238	10,349	\$719.78*
				[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10,320	\$89.98*
				[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10,289	\$46.66*
				[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10,279	NA
				[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10,259	\$208.14*
				[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10,249	\$5,017.90*
				[Dual CPU] AMD Opteron 4376 HE	10,244	\$1,257.44*
				[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10,237	\$162.62*
				[Dual CPU] Intel Xeon E7- 8870 @ 2.40GHz	10,207	\$10,017.02*
				[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10,195	\$359.96*
				[Dual CPU] AMD Opteron 6276	10,101	\$338.00
				[Dual CPU] AMD Opteron 6234	10,079	\$59.90*
				[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10,070	\$214.06*
				[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10,029	\$212.06*
				[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9,937	\$550.00*
				[Dual CPU] AMD Opteron 6272	9,841	\$139.98
				[Quad CPU] AMD Opteron 6136	9,767	\$440.00*
				[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9,741	NA
				[Dual CPU] AMD Opteron 4276 HE	9,681	NA
				[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9,669	\$166.72*
				[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9,642	\$39.86*
				[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9,607	NA
				[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9,573	\$236.00*
				[Quad CPU] Intel Xeon X7350 @ 2.93GHz	9,542	\$143.96*
				[Dual CPU] Intel Xeon E7-4830 @ 2.13GHz	9,539	\$64.60*
				[Dual CPU] AMD Opteron 4334	9,462	\$432.84*
				[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9,277	\$479.90*
				[Dual CPU] AMD Opteron 4284	9,151	\$119.98*
				[Dual CPU] AMD Opteron 6378	9,145	\$2,029.70



CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS/iPhone
[Dual CPU] Intel Xeon E7520 @ 1.87GHz					<a href="#">9.019</a>	<a href="#">\$193.59</a>
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz						
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz					<a href="#">9.017</a>	<a href="#">\$95.00*</a>
[Dual CPU] Intel Xeon X5560 @ 2.80GHz					<a href="#">8.998</a>	<a href="#">\$67.98*</a>
[Dual CPU] Intel Xeon X7542 @ 2.67GHz					<a href="#">8.972</a>	<a href="#">\$678.48*</a>
[Dual CPU] AMD Opteron 4234					<a href="#">8.953</a>	<a href="#">\$459.98*</a>
[Quad CPU] AMD Opteron 8439 SE					<a href="#">8.943</a>	<a href="#">\$240.00*</a>
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz					<a href="#">8.932</a>	<a href="#">\$520.00*</a>
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz					<a href="#">8.929</a>	<a href="#">\$463.36</a>
[Dual CPU] AMD Opteron 6212					<a href="#">8.927</a>	<a href="#">\$59.98*</a>
[Dual CPU] Intel Xeon X5550 @ 2.67GHz					<a href="#">8.758</a>	<a href="#">\$609.70*</a>
[Dual CPU] Intel Xeon X7460 @ 2.66GHz					<a href="#">8.721</a>	<a href="#">\$1,417.90*</a>
[Dual CPU] Intel Xeon L5638 @ 2.00GHz					<a href="#">8.693</a>	<a href="#">\$139.80*</a>
[Dual CPU] Intel Xeon X5492 @ 3.40GHz					<a href="#">8.672</a>	<a href="#">\$2,782.58*</a>
[Dual CPU] Intel Xeon E5640 @ 2.67GHz					<a href="#">8.664</a>	<a href="#">\$55.98*</a>
[Dual CPU] AMD Opteron 6132 HE					<a href="#">8.657</a>	NA
[Quad CPU] Intel Xeon X7542 @ 2.67GHz					<a href="#">8.636</a>	<a href="#">\$1,356.96*</a>
[Quad CPU] AMD Opteron 6174					<a href="#">8.594</a>	<a href="#">\$260.00</a>
[Quad CPU] AMD Opteron 8382					<a href="#">8.553</a>	<a href="#">\$796.00*</a>
[Dual CPU] Intel Xeon X5698 @ 4.40GHz					<a href="#">8.488</a>	NA
[Dual CPU] AMD Opteron 6176 SE					<a href="#">8.448</a>	<a href="#">\$318.00*</a>
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz					<a href="#">8.369</a>	<a href="#">\$134.46</a>
[Dual CPU] AMD Opteron 6308					<a href="#">8.349</a>	<a href="#">\$619.96</a>
[Dual CPU] Intel Xeon E5630 @ 2.53GHz					<a href="#">8.329</a>	<a href="#">\$70.00*</a>
[Quad CPU] AMD Opteron 6128 HE					<a href="#">8.323</a>	NA
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz					<a href="#">8.321</a>	NA
[Quad CPU] AMD Opteron 8431					<a href="#">8.252</a>	<a href="#">\$55.96*</a>
[Dual CPU] Intel Xeon X5482 @ 3.20GHz					<a href="#">8.170</a>	<a href="#">\$199.98*</a>
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz					<a href="#">8.162</a>	<a href="#">\$192.08*</a>
[Dual CPU] Intel Xeon X5470 @ 3.33GHz					<a href="#">8.136</a>	<a href="#">\$378.00*</a>
[Dual CPU] AMD Opteron 4226					<a href="#">8.088</a>	<a href="#">\$99.98*</a>
[Dual CPU] AMD Opteron 2439 SE					<a href="#">8.071</a>	<a href="#">\$179.98*</a>
[Dual CPU] AMD Opteron 4228 HE					<a href="#">7.986</a>	NA
[Dual CPU] Intel Xeon E5620 @ 2.40GHz					<a href="#">7.981</a>	<a href="#">\$117.98*</a>
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz					<a href="#">7.908</a>	<a href="#">\$3,611.90*</a>
[Dual CPU] AMD Opteron 4184					<a href="#">7.813</a>	<a href="#">\$1,039.90*</a>
[Dual CPU] Intel Xeon X5460 @ 3.16GHz					<a href="#">7.794</a>	<a href="#">\$199.56*</a>
[Dual CPU] AMD Opteron 6174					<a href="#">7.783</a>	<a href="#">\$130.00</a>
[Dual CPU] Intel Xeon E5472 @ 3.00GHz					<a href="#">7.774</a>	<a href="#">\$60.08*</a>
[Dual CPU] Intel Xeon X5472 @ 3.00GHz					<a href="#">7.769</a>	<a href="#">\$450.00*</a>
[Dual CPU] Intel Xeon E5540 @ 2.53GHz					<a href="#">7.753</a>	<a href="#">\$118.00*</a>

# CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

## New Laptop CPU Performance

This chart comparing performance of CPUs designed for laptop and portable machines is made using thousands of [PerformanceTest](#) benchmark results and is updated daily.

**Notes:**

- While we try to keep this chart mainly desktop CPU free, there might be some desktop processors in the list. This is because the classification of a laptop CPU is determined at result submission time by the user of PerformanceTest. Some users incorrectly clicked the "Laptop" check box.
- The chart shows only CPUs that had their benchmark first submitted within the last 36 months. Older laptop CPUs may not appear.



	CPU Mark	Price Performance	Sorted by Date																																																															
<b>CPUS</b>																																																																		
High End	<h3>PassMark - CPU Mark</h3> <p>Laptop &amp; Portable CPU Performance</p> <table border="1"> <thead> <tr> <th>CPU</th> <th>CPU Mark</th> <th>Price (USD)</th> </tr> </thead> <tbody> <tr><td><a href="#">Intel Xeon E-2286M @ 2.40GHz</a></td><td><b>18,544</b></td><td>\$623.00*</td></tr> <tr><td><a href="#">Intel Core i9-9980HK @ 2.40GHz</a></td><td><b>17,651</b></td><td>\$583.00*</td></tr> <tr><td><a href="#">Intel Core i9-9880H @ 2.30GHz</a></td><td><b>16,800</b></td><td>\$556.00*</td></tr> <tr><td><a href="#">Intel Core i7-8700B @ 3.20GHz</a></td><td><b>14,802</b></td><td>\$303.00*</td></tr> <tr><td><a href="#">Intel Xeon E-2186M @ 2.90GHz</a></td><td><b>14,526</b></td><td>\$623.00*</td></tr> <tr><td><a href="#">Intel Xeon E-2276M @ 2.80GHz</a></td><td><b>14,414</b></td><td>\$450.00*</td></tr> <tr><td><a href="#">Intel Core i9-8950HK @ 2.90GHz</a></td><td><b>14,220</b></td><td>\$583.00*</td></tr> <tr><td><a href="#">Intel Core i7-9850H @ 2.60GHz</a></td><td><b>14,143</b></td><td>\$395.00*</td></tr> <tr><td><a href="#">Intel Core i7-9750H @ 2.60GHz</a></td><td><b>13,539</b></td><td>\$395.00*</td></tr> <tr><td><a href="#">Intel Xeon E-2176M @ 2.70GHz</a></td><td><b>13,538</b></td><td>\$450.00*</td></tr> <tr><td><a href="#">Intel Core i7-10710U @ 1.10GHz</a></td><td><b>13,061</b></td><td>\$443.00*</td></tr> <tr><td><a href="#">Intel Core i7-8850H @ 2.60GHz</a></td><td><b>12,975</b></td><td>\$395.00*</td></tr> <tr><td><a href="#">Intel Core i5-8500B @ 3.00GHz</a></td><td><b>12,756</b></td><td>\$192.00*</td></tr> <tr><td><a href="#">Intel Core i7-8750H @ 2.20GHz</a></td><td><b>12,405</b></td><td>\$395.00*</td></tr> <tr><td><a href="#">Intel Core i7-8559U @ 2.70GHz</a></td><td><b>12,219</b></td><td>\$980.71</td></tr> <tr><td><a href="#">Intel Core i5-9400F @ 2.90GHz</a></td><td><b>12,108</b></td><td>\$144.99</td></tr> <tr><td><a href="#">Intel Core i5-9400H @ 2.50GHz</a></td><td><b>11,435</b></td><td>\$250.00*</td></tr> <tr><td><a href="#">Intel Core i5-8259U @ 2.30GHz</a></td><td><b>10,995</b></td><td>\$1,342.61*</td></tr> <tr><td><a href="#">Intel Core i7-8809G @ 3.10GHz</a></td><td><b>10,988</b></td><td>NA</td></tr> <tr><td><a href="#">Intel Core i7-1065G7 @ 1.30GHz</a></td><td><b>10,809</b></td><td>NA</td></tr> </tbody> </table>			CPU	CPU Mark	Price (USD)	<a href="#">Intel Xeon E-2286M @ 2.40GHz</a>	<b>18,544</b>	\$623.00*	<a href="#">Intel Core i9-9980HK @ 2.40GHz</a>	<b>17,651</b>	\$583.00*	<a href="#">Intel Core i9-9880H @ 2.30GHz</a>	<b>16,800</b>	\$556.00*	<a href="#">Intel Core i7-8700B @ 3.20GHz</a>	<b>14,802</b>	\$303.00*	<a href="#">Intel Xeon E-2186M @ 2.90GHz</a>	<b>14,526</b>	\$623.00*	<a href="#">Intel Xeon E-2276M @ 2.80GHz</a>	<b>14,414</b>	\$450.00*	<a href="#">Intel Core i9-8950HK @ 2.90GHz</a>	<b>14,220</b>	\$583.00*	<a href="#">Intel Core i7-9850H @ 2.60GHz</a>	<b>14,143</b>	\$395.00*	<a href="#">Intel Core i7-9750H @ 2.60GHz</a>	<b>13,539</b>	\$395.00*	<a href="#">Intel Xeon E-2176M @ 2.70GHz</a>	<b>13,538</b>	\$450.00*	<a href="#">Intel Core i7-10710U @ 1.10GHz</a>	<b>13,061</b>	\$443.00*	<a href="#">Intel Core i7-8850H @ 2.60GHz</a>	<b>12,975</b>	\$395.00*	<a href="#">Intel Core i5-8500B @ 3.00GHz</a>	<b>12,756</b>	\$192.00*	<a href="#">Intel Core i7-8750H @ 2.20GHz</a>	<b>12,405</b>	\$395.00*	<a href="#">Intel Core i7-8559U @ 2.70GHz</a>	<b>12,219</b>	\$980.71	<a href="#">Intel Core i5-9400F @ 2.90GHz</a>	<b>12,108</b>	\$144.99	<a href="#">Intel Core i5-9400H @ 2.50GHz</a>	<b>11,435</b>	\$250.00*	<a href="#">Intel Core i5-8259U @ 2.30GHz</a>	<b>10,995</b>	\$1,342.61*	<a href="#">Intel Core i7-8809G @ 3.10GHz</a>	<b>10,988</b>	NA	<a href="#">Intel Core i7-1065G7 @ 1.30GHz</a>	<b>10,809</b>	NA
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Power Performance																																																																		
CPU Mark by Socket Type																																																																		
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Compare <sup>0</sup>

CPU Benchmarks

Common

Most Benchmarked

AMD vs Intel Market Share



WYOBRAŹ SOBIE  
NOWOCZESNA  
SZKOŁĘ JĘZYKA  
ANGIELSKIEGO...

za Jedyne  
283 PLN/miesiąc

DOWIEDZ SIĘ WIĘCEJ

Processor	Score	Price
Intel Xeon E3-1535M v6 @ 3.10GHz	10.623	
Intel Core i7-8706G @ 3.10GHz	10.563	\$623.00*
Intel Core i7-8706G @ 3.10GHz	10.539	NA
Intel Core i5-8400H @ 2.50GHz	10.394	\$250.00*
Intel Core i7-7920HQ @ 3.10GHz	9.991	\$568.00*
Intel Core i7-7820HK @ 2.90GHz	9.954	\$378.00*
Intel Core i7-8705G @ 3.10GHz	9.884	\$1,408.75*
Intel Core i7-5850EQ @ 2.70GHz	9.817	\$435.00*
Intel Core i5-9300H @ 2.40GHz	9.812	\$250.00*
Intel Core i7-8709G @ 3.10GHz	9.780	NA
Intel Core i5-8300H @ 2.30GHz	9.473	\$250.00*
Intel Core i7-10510U @ 1.80GHz	9.291	\$409.00*
Intel Core i7-7820HQ @ 2.90GHz	9.247	\$378.00*
Intel Core i5-1035G7 @ 1.20GHz	9.214	\$320.00*
Intel Core i7-7820EQ @ 3.00GHz	9.144	\$378.00*
Intel Core i5-1035G1 @ 1.00GHz	9.113	\$297.00*
AMD Ryzen 7 3750H	8.948	NA
Intel Core i5-8305G @ 2.80GHz	8.947	NA
Intel Core i7-8665U @ 1.90GHz	8.896	\$409.00*
AMD Ryzen 7 PRO 2700U	8.882	NA
Intel Core i7-8565U @ 1.80GHz	8.875	NA
Intel Core i5-10210U @ 1.60GHz	8.771	\$297.00*
Intel Core i7-7700HQ @ 2.80GHz	8.766	\$378.00*
Intel Core i5-1035G4 @ 1.10GHz	8.740	\$309.00*
Intel Xeon E3-1268L v5 @ 2.40GHz	8.695	\$456.54
Intel Core i7-8650U @ 1.90GHz	8.693	\$409.99*
AMD Ryzen 7 PRO 3700U	8.619	NA
Intel Core i3-8100B @ 3.60GHz	8.544	\$133.00*
AMD Ryzen Embedded V1807B	8.528	NA
AMD Ryzen 7 2800H	8.498	NA
AMD Ryzen 5 PRO 3500U	8.453	NA
AMD Ryzen 7 3780U	8.427	NA
Intel Core i5-8365U @ 1.60GHz	8.392	\$297.00*
AMD Ryzen 5 2600H	8.366	NA
AMD Ryzen 5 3550H	8.330	NA
Intel Core i7-8550U @ 1.80GHz	8.248	NA
AMD Ryzen 3 PRO 3200GE	8.244	NA
AMD Ryzen 5 PRO 2500U	8.202	NA
Intel Core i5-8350U @ 1.70GHz	8.138	\$297.00*
AMD Ryzen 7 3700U	8.074	NA
Intel Core i5-8265U @ 1.60GHz	8.015	\$297.00*
Intel Core i5-8365UE @ 1.60GHz	8.010	\$297.00*
AMD Ryzen 5 3500U	7.907	NA
Intel Xeon E3-1505L v6 @ 2.20GHz	7.887	NA
Intel Core i5-8265UC @ 1.60GHz	7.780	NA
Intel Core i5-8250U @ 1.60GHz	7.650	NA
Intel Core i5-7440HQ @ 2.80GHz	7.641	NA
AMD Ryzen 5 3580U	7.429	NA
AMD Ryzen 7 2700U	7.414	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	RAM	PC Systems	Android	iOS / iPhone
	<a href="#">AMD Ryzen Embedded V1605B</a>				<a href="#">7.087</a>	<a href="#">NA</a>
	<a href="#">AMD Ryzen 3 PRO 2300U</a>				<a href="#">7.063</a>	<a href="#">NA</a>
	<a href="#">AMD Ryzen 3 PRO 3300U</a>				<a href="#">6.888</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-7300HQ @ 2.50GHz</a>				<a href="#">6.716</a>	<a href="#">NA</a>
	<a href="#">Intel Core i7-7567U @ 3.50GHz</a>				<a href="#">6.465</a>	<a href="#">\$780.89</a>
	<a href="#">Intel Xeon E3-1505L v5 @ 2.00GHz</a>				<a href="#">6.374</a>	<a href="#">NA</a>
	<a href="#">AMD Ryzen 3 3300U</a>				<a href="#">6.143</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-8109U @ 3.00GHz</a>				<a href="#">6.120</a>	<a href="#">NA</a>
	<a href="#">AMD Ryzen 3 2300U</a>				<a href="#">6.104</a>	<a href="#">NA</a>
	<a href="#">Intel Core i7-7660U @ 2.50GHz</a>				<a href="#">5.989</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-10110U @ 2.10GHz</a>				<a href="#">5.930</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-1005G1 @ 1.20GHz</a>				<a href="#">5.929</a>	<a href="#">\$281.00*</a>
	<a href="#">Intel Core i5-7442EQ @ 2.10GHz</a>				<a href="#">5.901</a>	<a href="#">\$250.00*</a>
	<a href="#">Intel Core i5-7360U @ 2.30GHz</a>				<a href="#">5.855</a>	<a href="#">NA</a>
	<a href="#">Intel Core i7-7560U @ 2.40GHz</a>				<a href="#">5.770</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-7287U @ 3.30GHz</a>				<a href="#">5.656</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-7260U @ 2.20GHz</a>				<a href="#">5.637</a>	<a href="#">\$557.79</a>
	<a href="#">Intel Core i3-8145U @ 2.10GHz</a>				<a href="#">5.518</a>	<a href="#">\$281.00*</a>
	<a href="#">AMD A8-7680</a>				<a href="#">5.322</a>	<a href="#">\$59.99*</a>
	<a href="#">AMD Athlon 220GE</a>				<a href="#">5.237</a>	<a href="#">\$61.62</a>
	<a href="#">Intel Core i5-7300U @ 2.60GHz</a>				<a href="#">5.161</a>	<a href="#">\$479.99</a>
	<a href="#">Intel Core i7-7600U @ 2.80GHz</a>				<a href="#">5.110</a>	<a href="#">NA</a>
	<a href="#">AMD Embedded R-Series RX-418GD Radeon R6</a>				<a href="#">5.068</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-8130U @ 2.20GHz</a>				<a href="#">5.017</a>	<a href="#">\$281.00*</a>
	<a href="#">Intel Core i5-7267U @ 3.10GHz</a>				<a href="#">4.999</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-8121U @ 2.20GHz</a>				<a href="#">4.802</a>	<a href="#">NA</a>
	<a href="#">AMD FX-9830P</a>				<a href="#">4.783</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-7167U @ 2.80GHz</a>				<a href="#">4.757</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-6287U @ 3.10GHz</a>				<a href="#">4.751</a>	<a href="#">\$304.00*</a>
	<a href="#">AMD Ryzen 3 3200U</a>				<a href="#">4.704</a>	<a href="#">NA</a>
	<a href="#">AMD Athlon 300U</a>				<a href="#">4.688</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-6360U @ 2.00GHz</a>				<a href="#">4.686</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-7100H @ 3.00GHz</a>				<a href="#">4.627</a>	<a href="#">\$225.00*</a>
	<a href="#">AMD Ryzen 3 2200U</a>				<a href="#">4.587</a>	<a href="#">NA</a>
	<a href="#">AMD Ryzen Embedded R1505G</a>				<a href="#">4.555</a>	<a href="#">NA</a>
	<a href="#">AMD Ryzen Embedded V1202B</a>				<a href="#">4.447</a>	<a href="#">NA</a>
	<a href="#">AMD A12-9730P</a>				<a href="#">4.417</a>	<a href="#">NA</a>
	<a href="#">AMD PRO A10-9700B</a>				<a href="#">4.380</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-8200Y @ 1.30GHz</a>				<a href="#">4.339</a>	<a href="#">\$291.00*</a>
	<a href="#">AMD PRO A12-8830B</a>				<a href="#">4.259</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-8210Y @ 1.60GHz</a>				<a href="#">4.227</a>	<a href="#">NA</a>
	<a href="#">Intel Core i3-7130U @ 2.70GHz</a>				<a href="#">4.062</a>	<a href="#">\$459.99*</a>
	<a href="#">AMD A12-9720P</a>				<a href="#">3.993</a>	<a href="#">NA</a>
	<a href="#">AMD PRO A8-9600B</a>				<a href="#">3.964</a>	<a href="#">NA</a>
	<a href="#">AMD PRO A10-8730B</a>				<a href="#">3.953</a>	<a href="#">NA</a>
	<a href="#">Intel Core i7-8500Y @ 1.50GHz</a>				<a href="#">3.945</a>	<a href="#">\$393.00*</a>
	<a href="#">AMD A10-9620P</a>				<a href="#">3.679</a>	<a href="#">NA</a>
	<a href="#">Intel Core i5-7Y57 @ 1.20GHz</a>				<a href="#">3.676</a>	<a href="#">NA</a>
	<a href="#">Intel Core m3-8100Y @ 1.10GHz</a>				<a href="#">3.593</a>	<a href="#">\$281.00*</a>