

# CPU Benchmarks

Over 1,000,000 CPUs  
Benchmarked



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How does your CPU compare?  
Add your CPU to our benchmark chart  
with PerformanceTest V9!

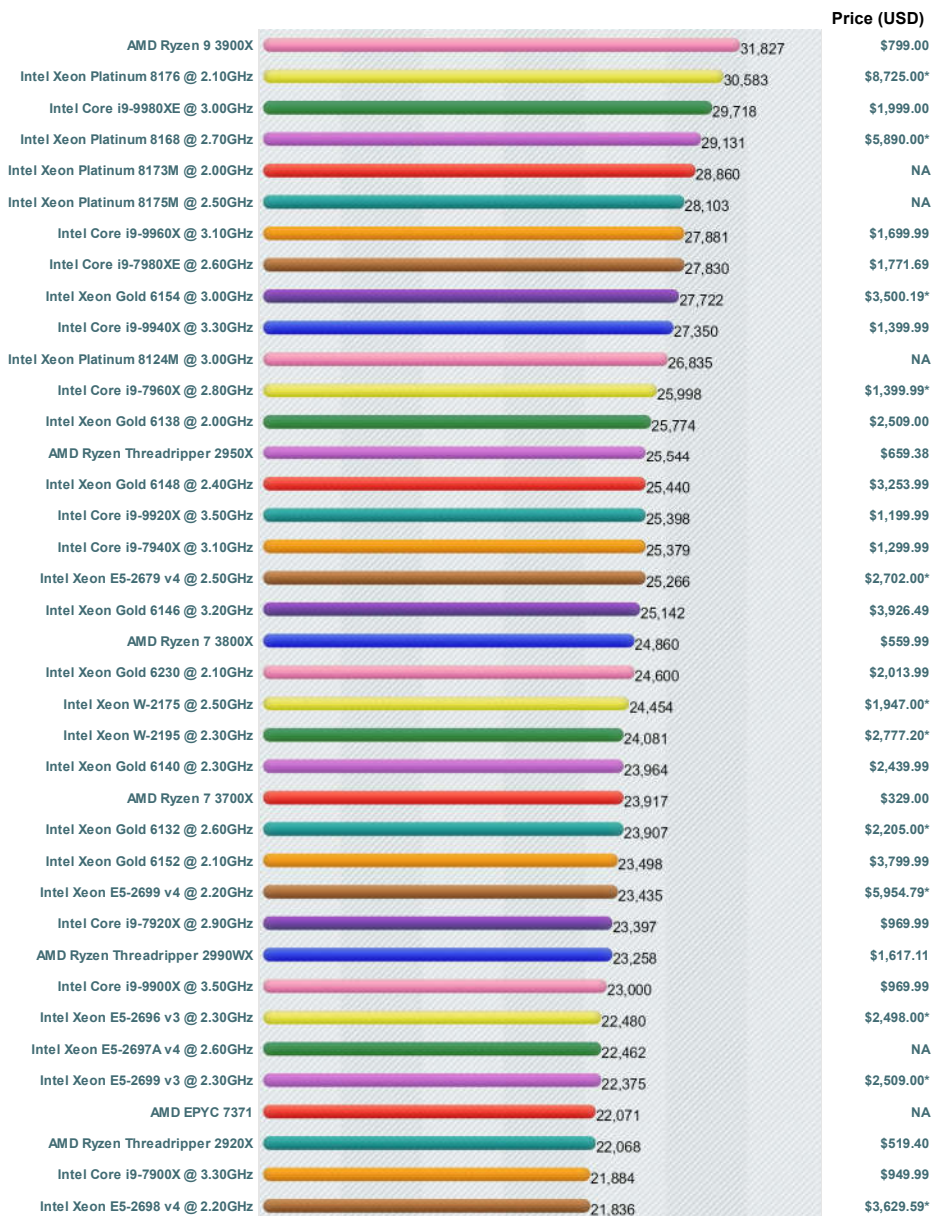
## High End CPUs - Intel vs AMD

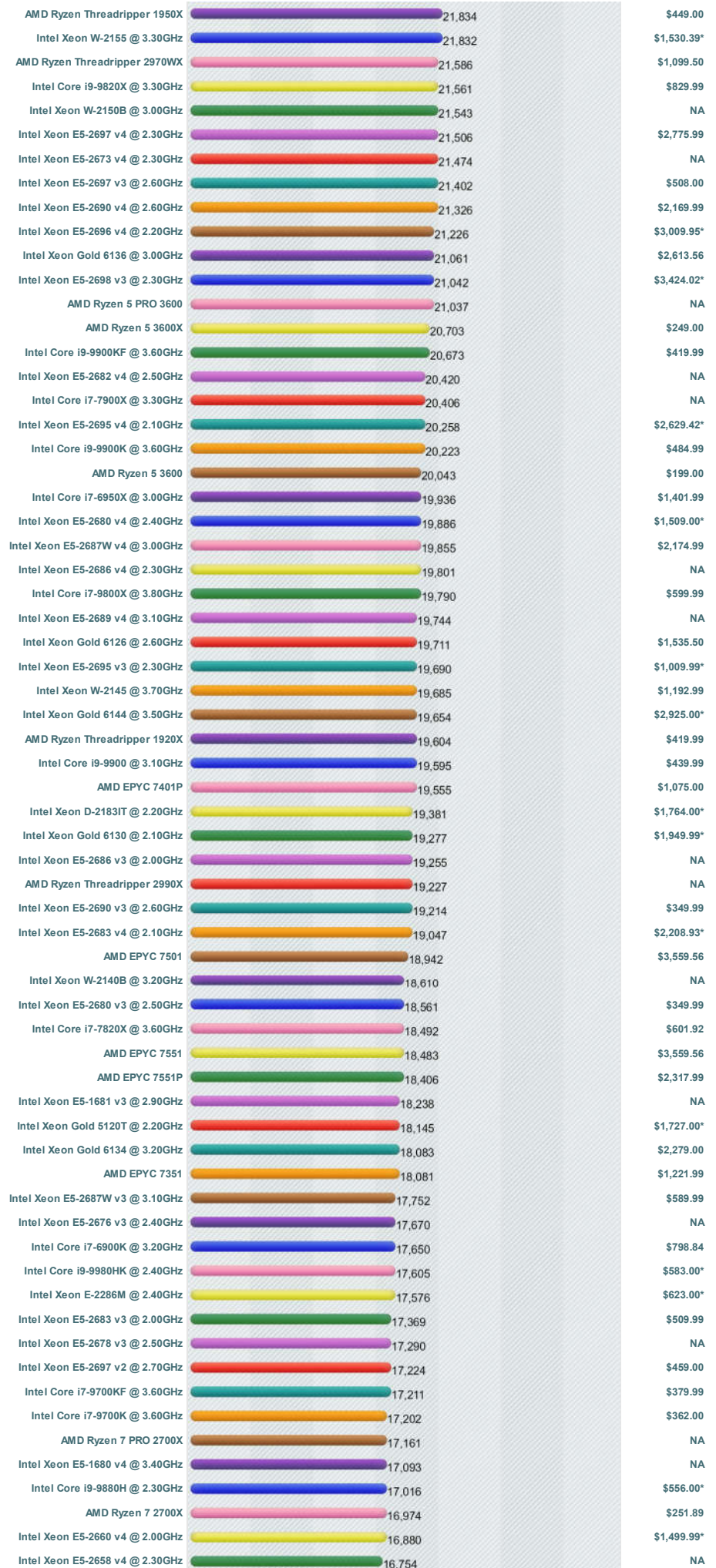
This chart comparing high end CPUs is made using thousands of PerformanceTest benchmark results and is updated daily. These are the high end AMD and Intel CPUs are typically those found in newer computers. The chart below compares the performance of Intel Xeon CPUs, Intel Core i7/i9 CPUs, AMD Ryzen/Threadripper CPUs and AMD Epyc with multiple cores. Intel processors vs AMD chips - find out which CPUs performance is best for your new gaming rig or server!

### CPU Mark | Price Performance

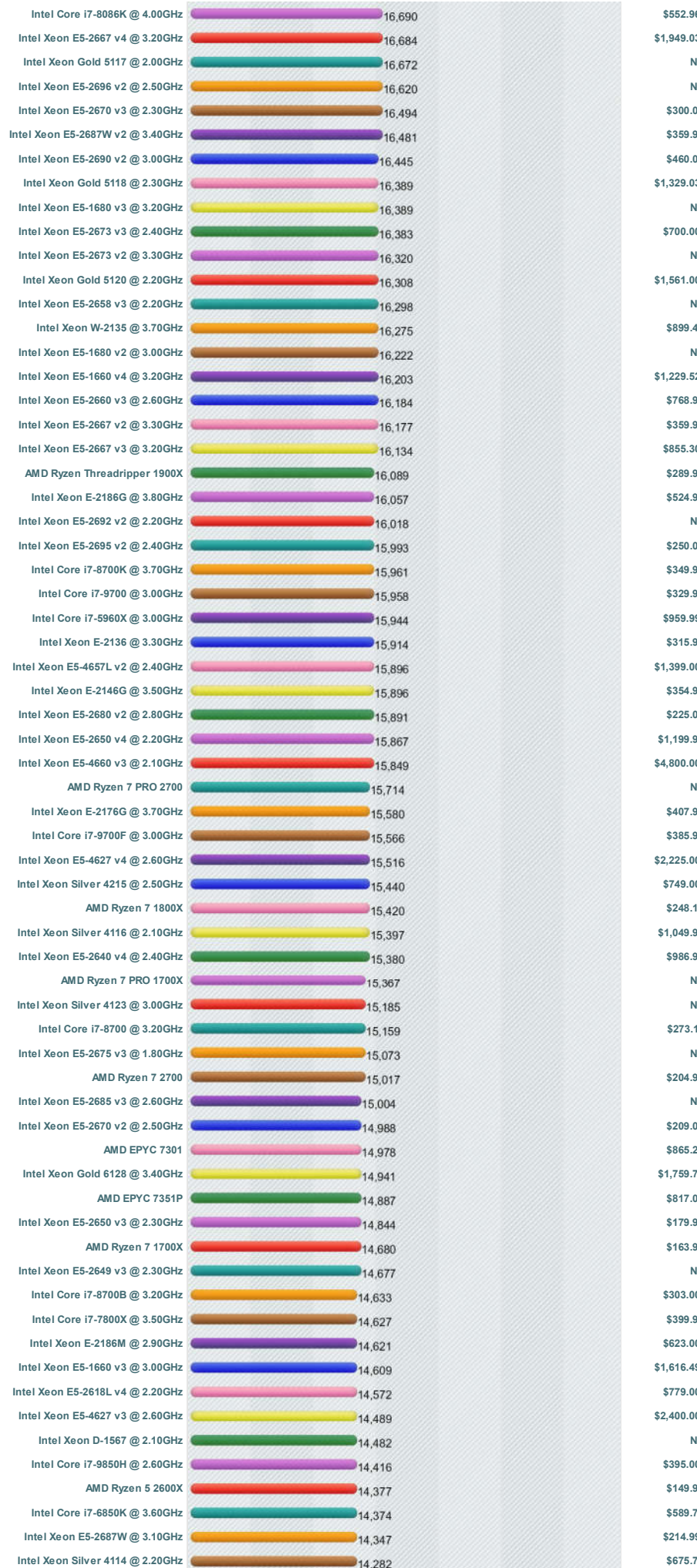
(Click to select desired chart)

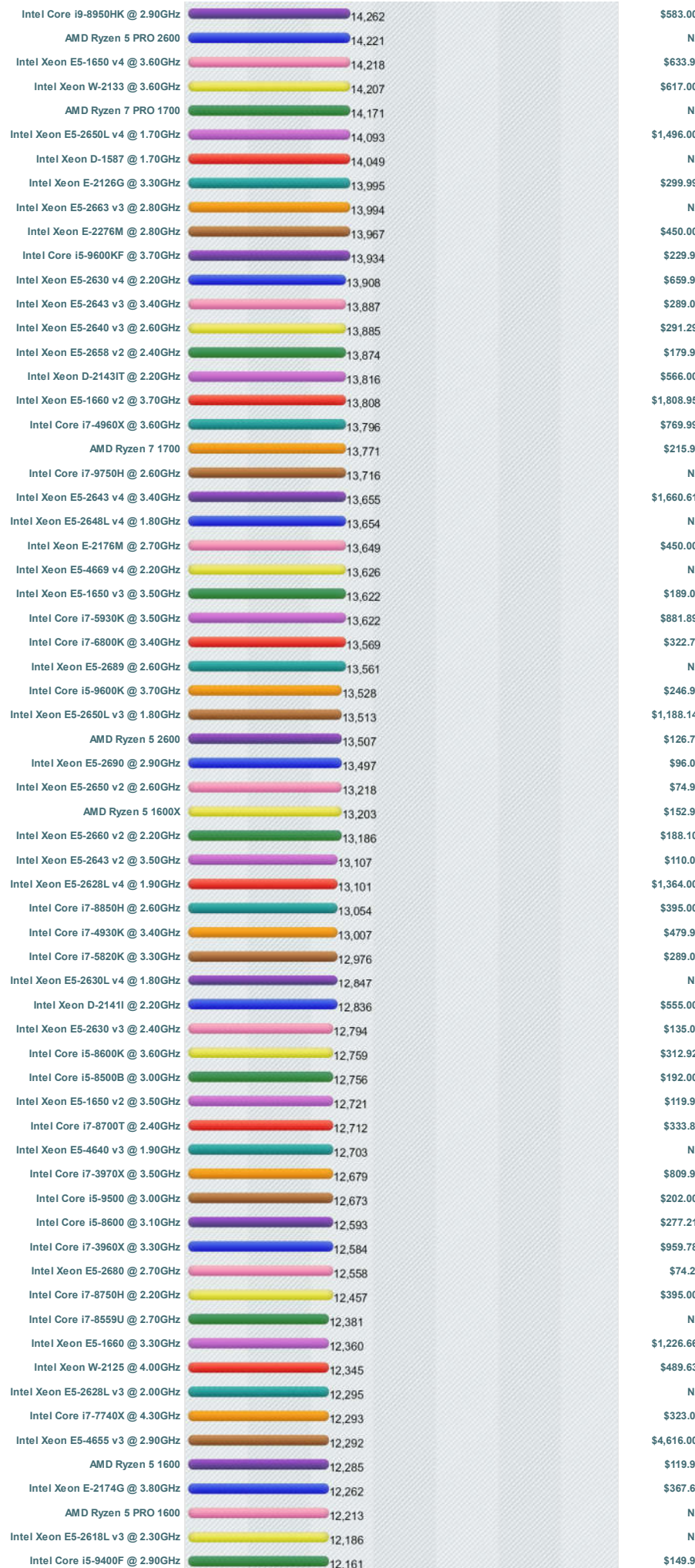
### PassMark - CPU Mark High End CPUs - Updated 22nd of July 2019



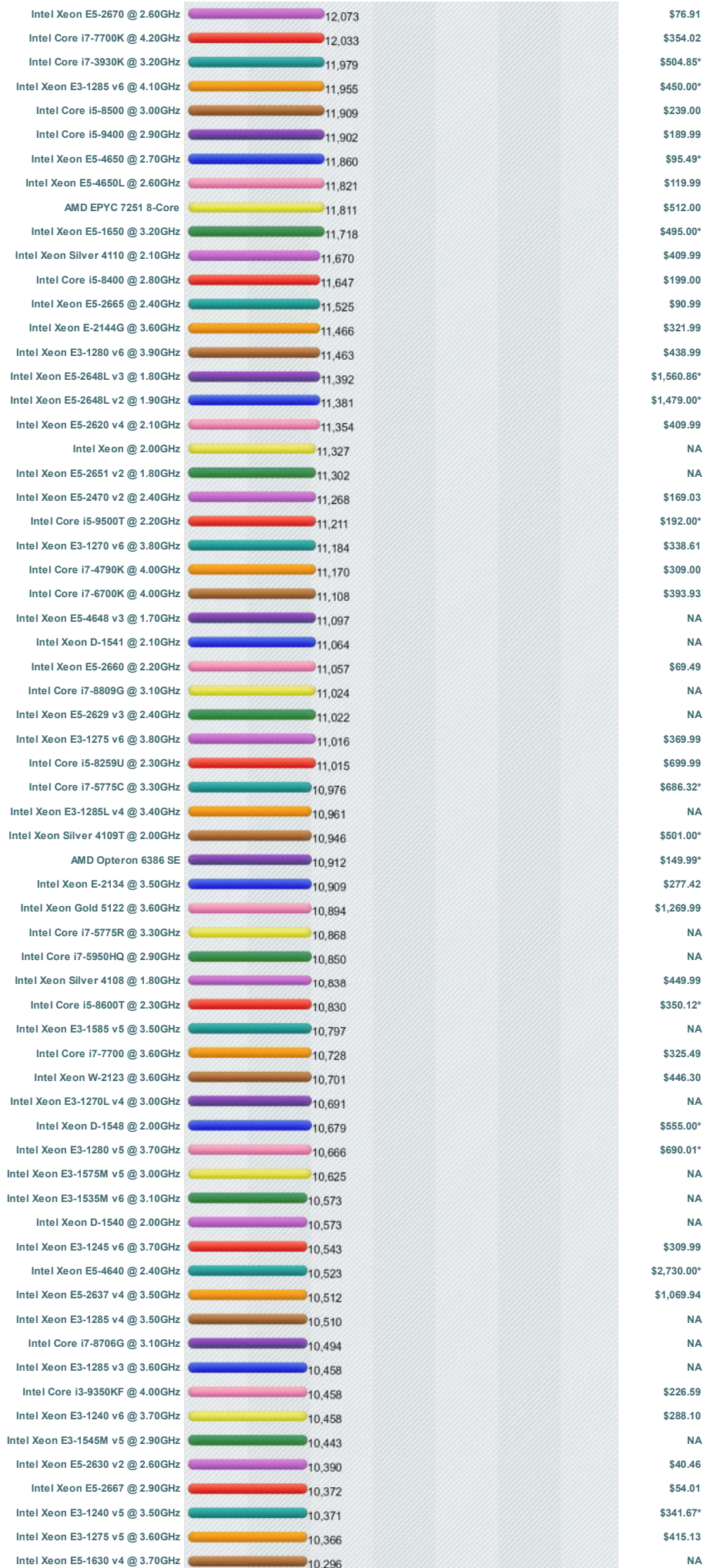


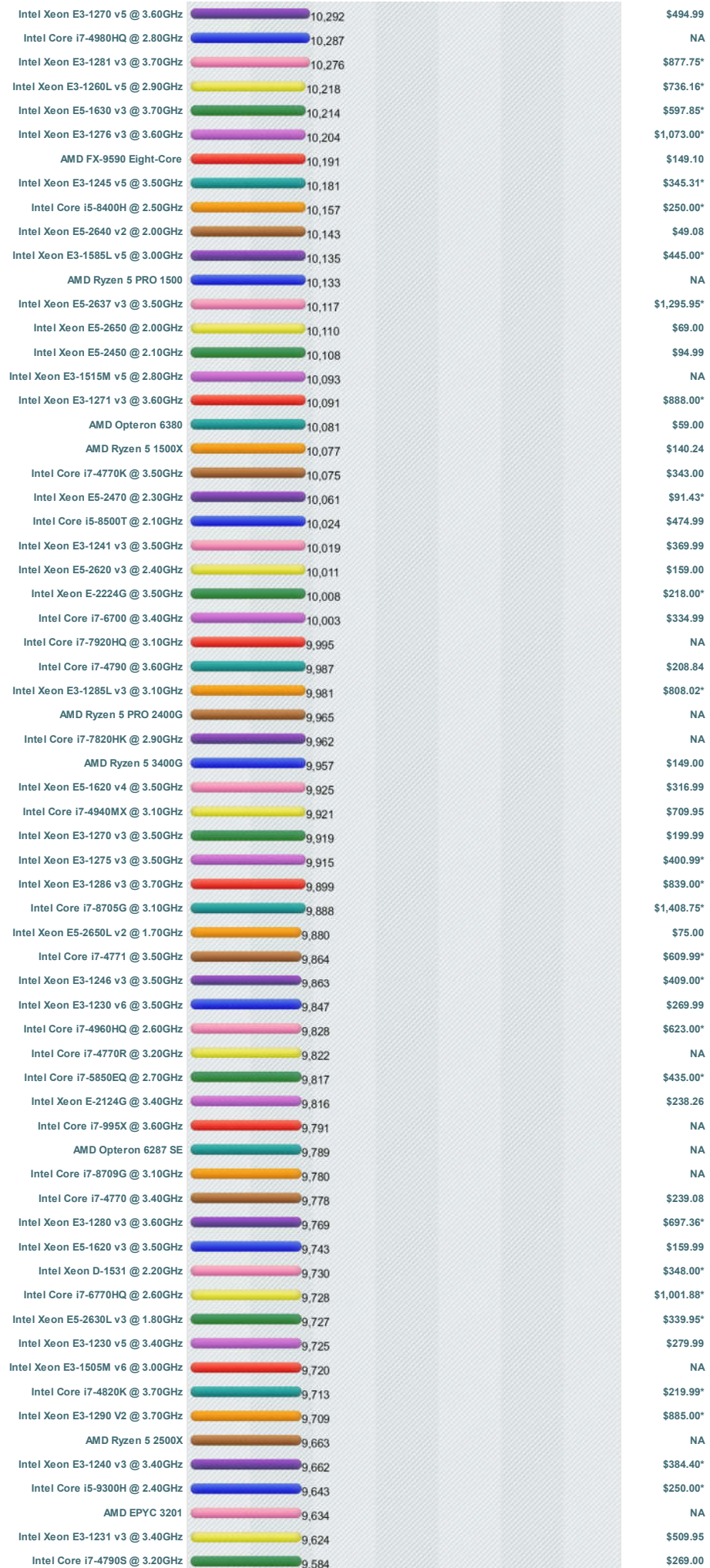




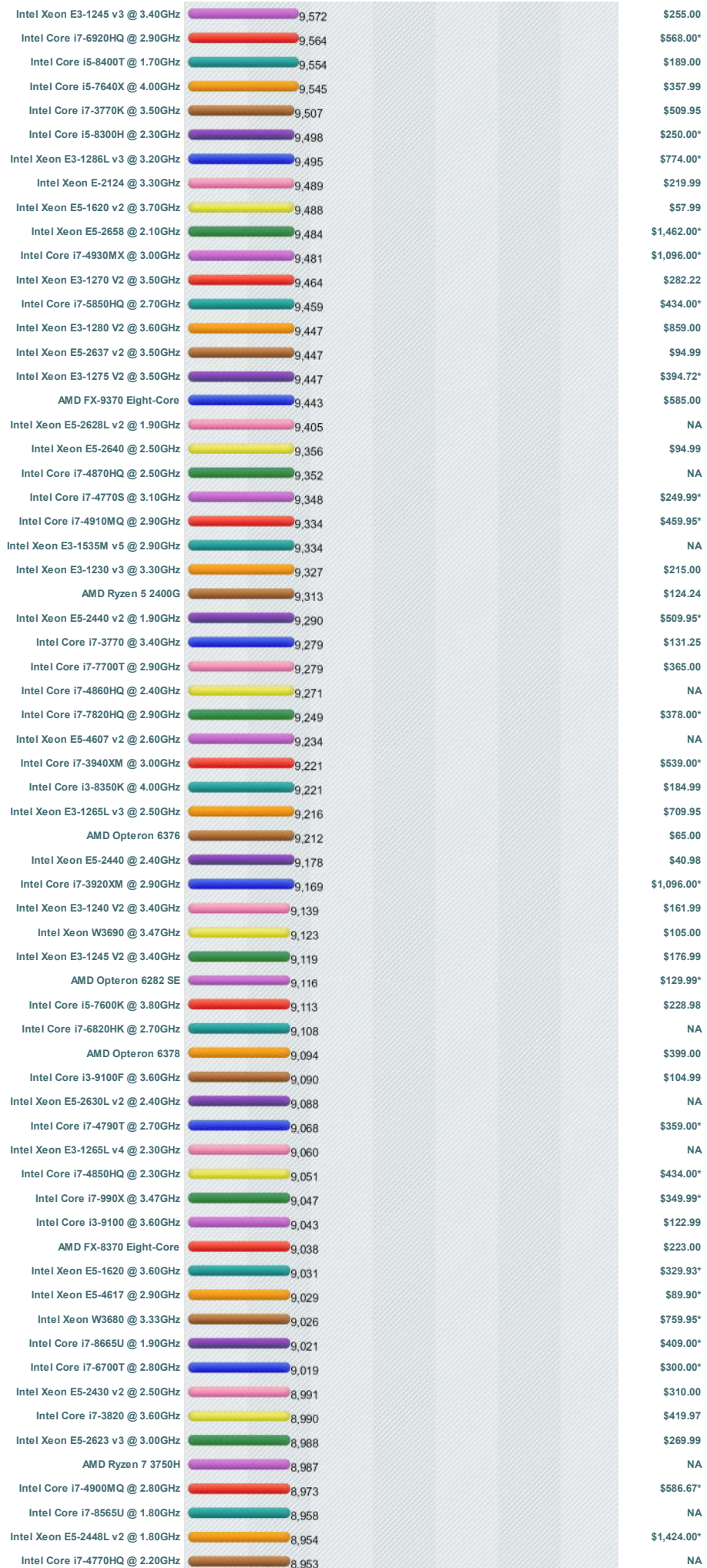


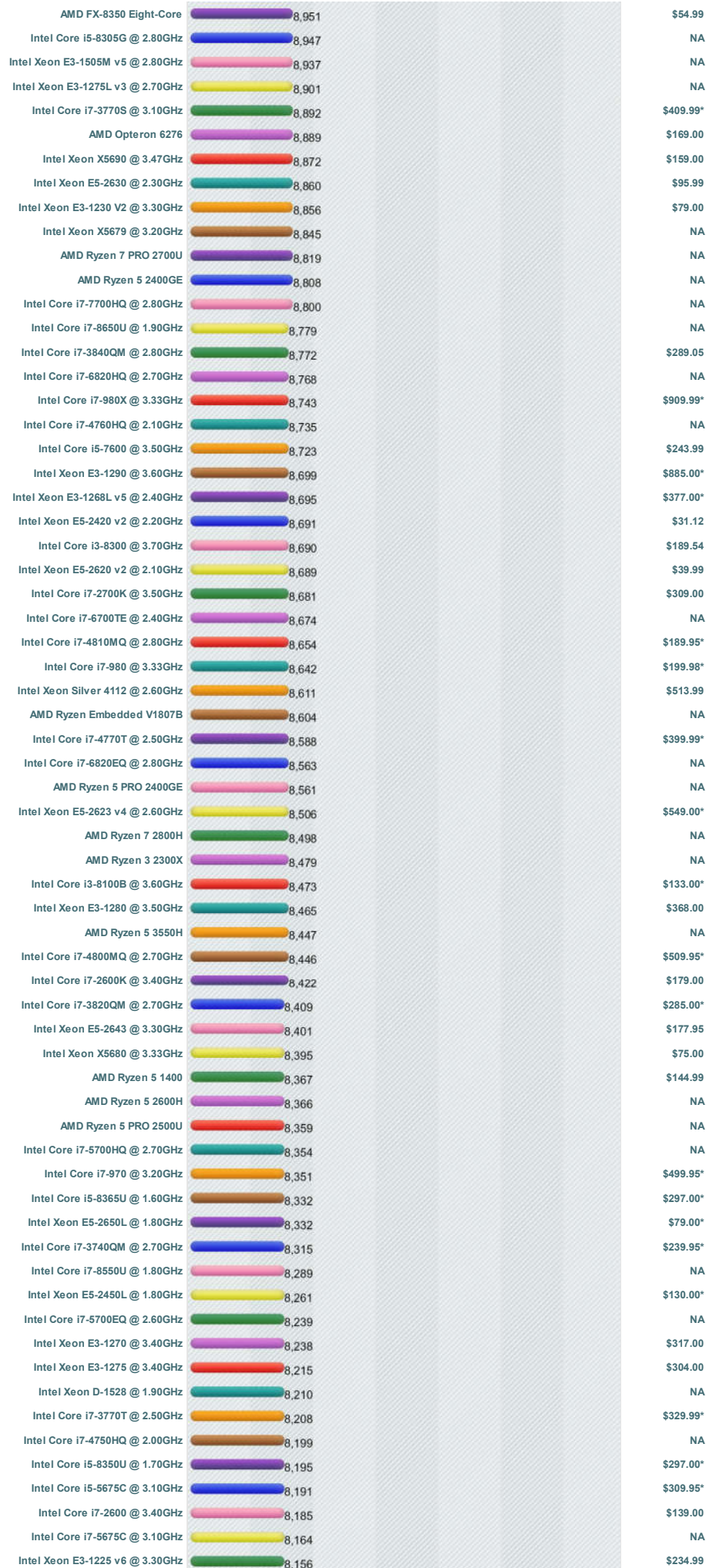






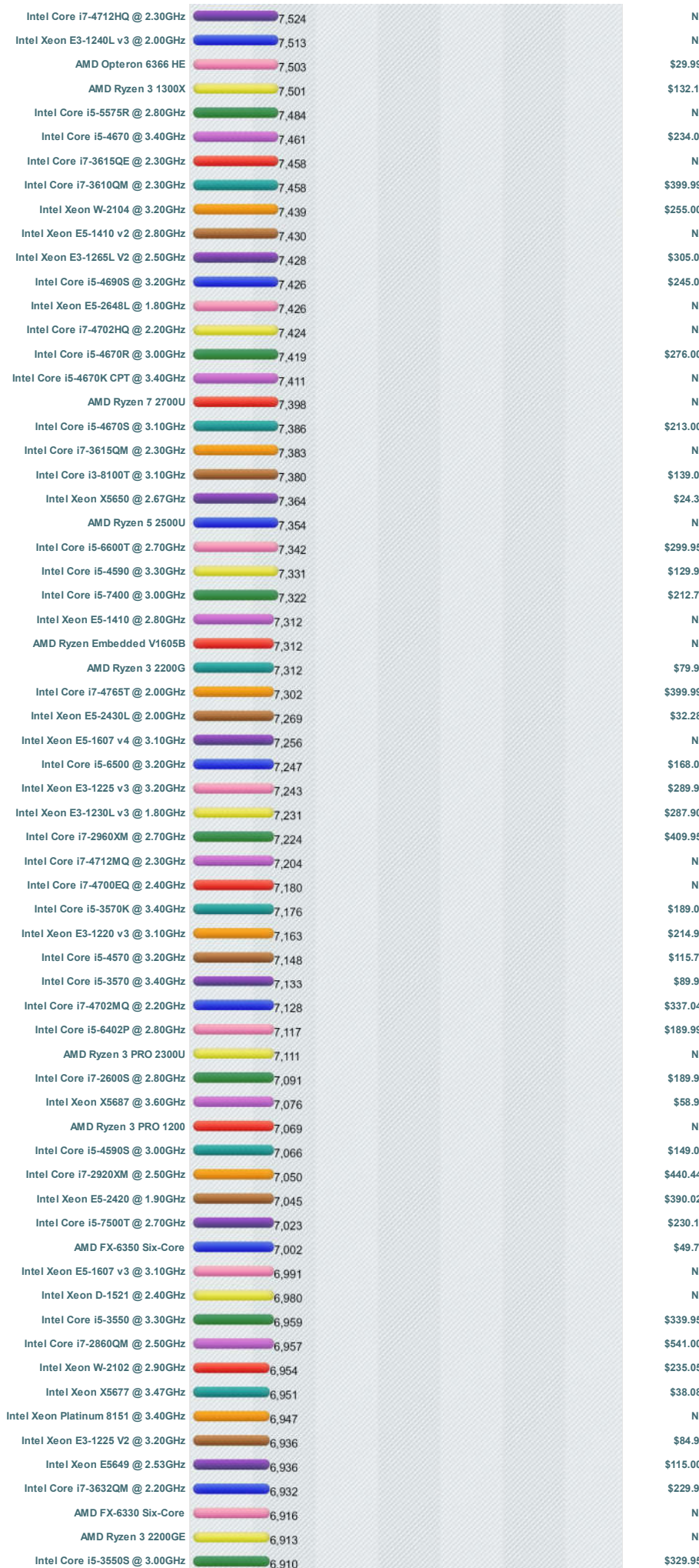




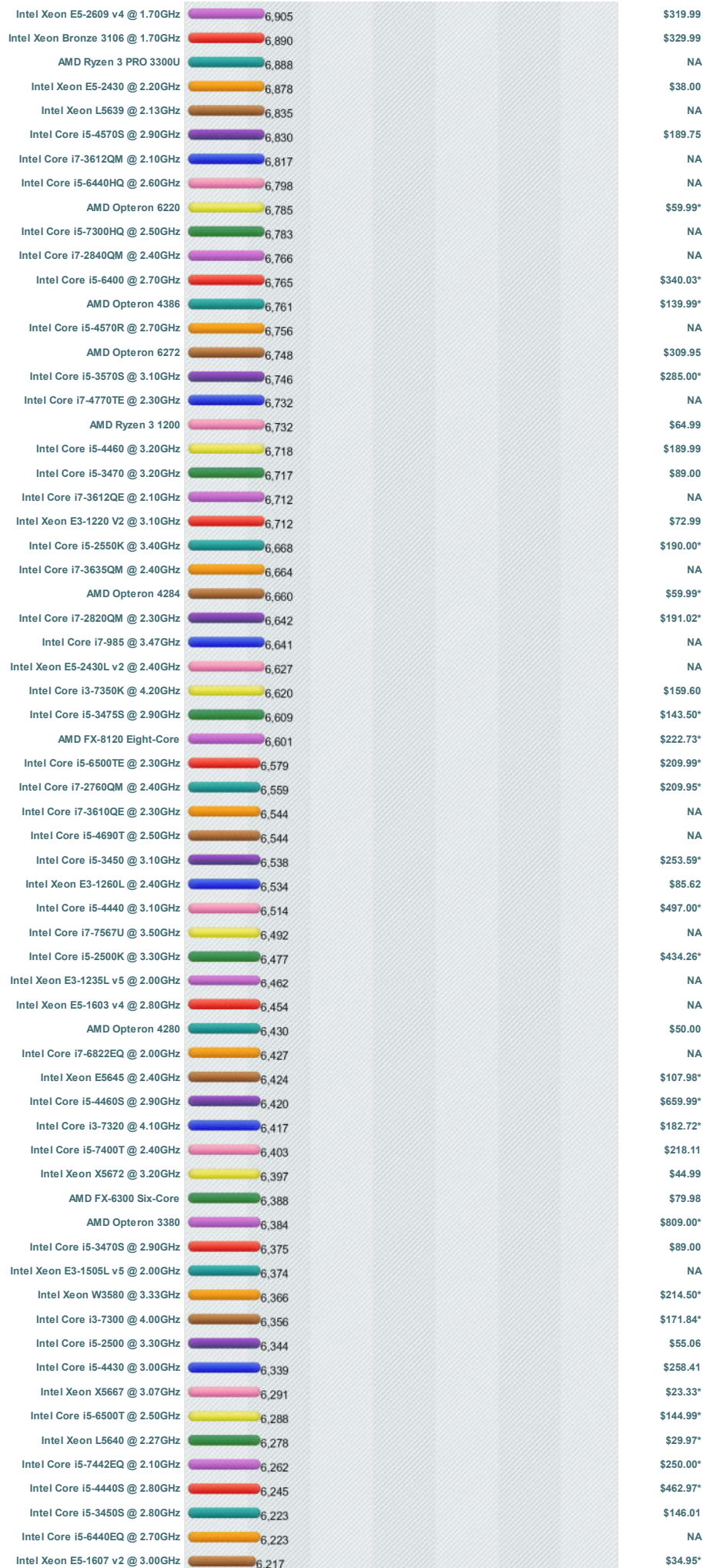


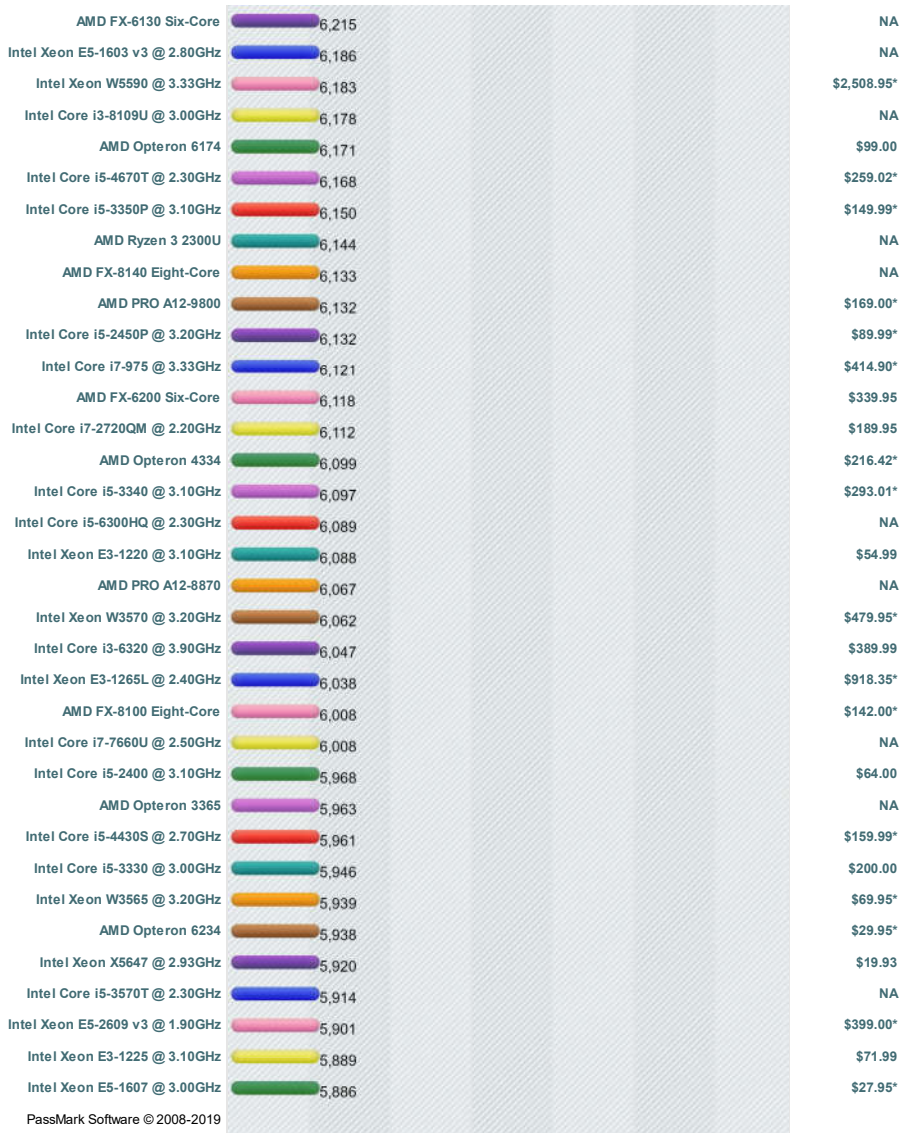


|                                  |       |           |
|----------------------------------|-------|-----------|
| AMD Ryzen 3 PRO 3200GE           | 8,147 | NA        |
| Intel Xeon X5675 @ 3.07GHz       | 8,147 | \$80.00   |
| AMD Ryzen 5 3500U                | 8,145 | NA        |
| Intel Xeon D-2123IT @ 2.20GHz    | 8,140 | \$213.00* |
| Intel Core i7-6700HQ @ 2.60GHz   | 8,132 | \$378.00* |
| Intel Xeon E5-4620 @ 2.20GHz     | 8,127 | \$134.21* |
| Intel Xeon W3670 @ 3.20GHz       | 8,121 | \$499.99* |
| Intel Core i7-3720QM @ 2.60GHz   | 8,119 | \$363.00* |
| Intel Core i5-7600T @ 2.80GHz    | 8,111 | \$254.64  |
| AMD Ryzen 3 3200G                | 8,067 | \$99.00   |
| Intel Core i7-4722HQ @ 2.40GHz   | 8,067 | NA        |
| Intel Core i5-6600K @ 3.50GHz    | 8,066 | \$263.11* |
| Intel Xeon D-1559 @ 1.50GHz      | 8,055 | NA        |
| Intel Core i3-8100 @ 3.60GHz     | 8,033 | \$123.99  |
| Intel Core i3-8300T @ 3.20GHz    | 8,032 | \$170.49* |
| AMD Ryzen 3 PRO 1300             | 8,022 | NA        |
| Intel Core i5-7500 @ 3.40GHz     | 8,019 | \$199.99  |
| AMD FX-8320 Eight-Core           | 8,016 | \$149.00  |
| Intel Core i5-8265UC @ 1.60GHz   | 8,016 | NA        |
| AMD Ryzen 3 PRO 2200G            | 8,008 | NA        |
| Intel Xeon E3-1245 @ 3.30GHz     | 7,997 | \$104.99  |
| Intel Core i7-4720HQ @ 2.60GHz   | 7,996 | NA        |
| Intel Core i5-5675R @ 3.10GHz    | 7,991 | NA        |
| Intel Core i7-4710MQ @ 2.50GHz   | 7,981 | \$271.57* |
| Intel Core i5-8265U @ 1.60GHz    | 7,977 | \$297.00* |
| Intel Xeon E3-1240 @ 3.30GHz     | 7,962 | \$119.99  |
| AMD Ryzen 7 PRO 3700U            | 7,960 | NA        |
| AMD Ryzen 7 3700U                | 7,959 | NA        |
| Intel Xeon E5-2620 @ 2.00GHz     | 7,902 | \$15.97   |
| AMD Ryzen 5 PRO 3500U            | 7,896 | NA        |
| Intel Xeon E5-2630L @ 2.00GHz    | 7,865 | NA        |
| Intel Xeon E5-2608L v3 @ 2.00GHz | 7,857 | \$441.00* |
| Intel Xeon X5670 @ 2.93GHz       | 7,856 | \$33.76   |
| Intel Xeon E3-1268L v3 @ 2.30GHz | 7,850 | NA        |
| Intel Core i7-4860EQ @ 1.80GHz   | 7,847 | NA        |
| Intel Xeon E3-1230 @ 3.20GHz     | 7,829 | \$135.99  |
| Intel Xeon E-2104G @ 3.20GHz     | 7,825 | \$193.00* |
| Intel Xeon E3-1225 v5 @ 3.30GHz  | 7,824 | \$268.04  |
| AMD Opteron 6328                 | 7,813 | \$359.00  |
| AMD FX-8370E Eight-Core          | 7,805 | \$201.99  |
| Intel Core i5-4690K @ 3.50GHz    | 7,795 | \$154.00  |
| Intel Xeon E3-1240L v5 @ 2.10GHz | 7,793 | \$278.00* |
| Intel Xeon E3-1220 v6 @ 3.00GHz  | 7,790 | \$199.00  |
| Intel Xeon E3-1220 v5 @ 3.00GHz  | 7,787 | \$266.46* |
| Intel Core i5-6600 @ 3.30GHz     | 7,777 | \$259.94* |
| Intel Xeon D-1537 @ 1.70GHz      | 7,731 | \$571.00* |
| Intel Core i7-4700HQ @ 2.40GHz   | 7,726 | \$383.00* |
| AMD FX-8310 Eight-Core           | 7,723 | NA        |
| Intel Core i7-4710HQ @ 2.50GHz   | 7,722 | NA        |
| AMD FX-8300 Eight-Core           | 7,718 | \$159.93  |
| Intel Core i3-9100T @ 3.10GHz    | 7,689 | \$122.00* |
| Intel Core i7-4700MQ @ 2.40GHz   | 7,684 | \$189.00* |
| Intel Core i5-4690 @ 3.50GHz     | 7,683 | \$236.73  |
| Intel Xeon E3-1235 @ 3.20GHz     | 7,680 | \$244.00  |
| Intel Core i5-8250U @ 1.60GHz    | 7,677 | NA        |
| Intel Core i5-7440HQ @ 2.80GHz   | 7,674 | NA        |
| AMD Opteron 6238                 | 7,673 | \$359.89* |
| Intel Core i5-4670K @ 3.40GHz    | 7,635 | \$343.81  |
| AMD FX-8150 Eight-Core           | 7,632 | \$99.95   |
| Intel Core i7-4785T @ 2.20GHz    | 7,630 | NA        |
| AMD Ryzen 3 PRO 2200GE           | 7,613 | NA        |
| Intel Core i7-3630QM @ 2.40GHz   | 7,581 | \$239.00* |
| Intel Xeon X5660 @ 2.80GHz       | 7,569 | \$24.24*  |
| Intel Xeon E3-1226 v3 @ 3.30GHz  | 7,559 | \$595.00* |
| AMD FX-8320E Eight-Core          | 7,549 | \$98.07   |









\* - Last seen price from our affiliates.

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