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multiply the price shown by the number of CPUs.

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**Is the Intel Core i5-12500 Good for Gaming?**

This is relatively new CPU that contains 6 Cores and 12 Threads. The Intel Core i5-12500 also has reasonable threaded performance that will serve well in games. Paired with a good [videocard](#), *is this CPU Good for Gaming?* Yes, this would be a suitable CPU for gaming. [\[More ...\]](#)

<b>CPUS</b>	<b>Intel Core i5-12500</b>	<b>Average CPU Mark</b>
<b>High End</b> High Mid Range Low Mid Range Low End	<b>Description:</b> Intel UHD Graphics 770	 <h1>20036</h1> <p>Single Thread Rating: 3733                      Samples: 441*                      *<a href="#">Margin for error</a>: Low</p> <p><a href="#">+ COMPARE</a></p>
<b>Best Value (On Market)</b> Best Value XY Scatter Best Value (All time)	<b>Class:</b> Desktop <b>Socket:</b> LGA 1700	
<b>New Desktop</b> New Laptop	<b>Clockspeed:</b> 3.0 GHz <b>Turbo Speed:</b> 4.6 GHz	
<b>Single Thread</b> Systems with Multiple CPUs Overclocked Power Performance CPU Mark by Socket Type Cross-Platform CPU Performance	<b>Cores:</b> 6 <b>Typical TDP:</b> 65 W <b>Threads:</b> 12	
	<b>TDP Up</b> : 117 W	
	<b>Cache Size:</b> L1: 480 KB, L2: 7.5 MB, L3: 18 MB	
	<b>Memory Support:</b> Max. Memory Size: 128 GB (Up to DDR5 4800 MT/s, Up to DDR4 3200 MT/s, ECC Supported)	
	<b>Other names:</b> 12th Gen Intel(R) Core(TM) i5-12500, 12th Gen Intel Core i5-12500	
	<b>CPU First Seen on Chart:</b> Q4 2022	

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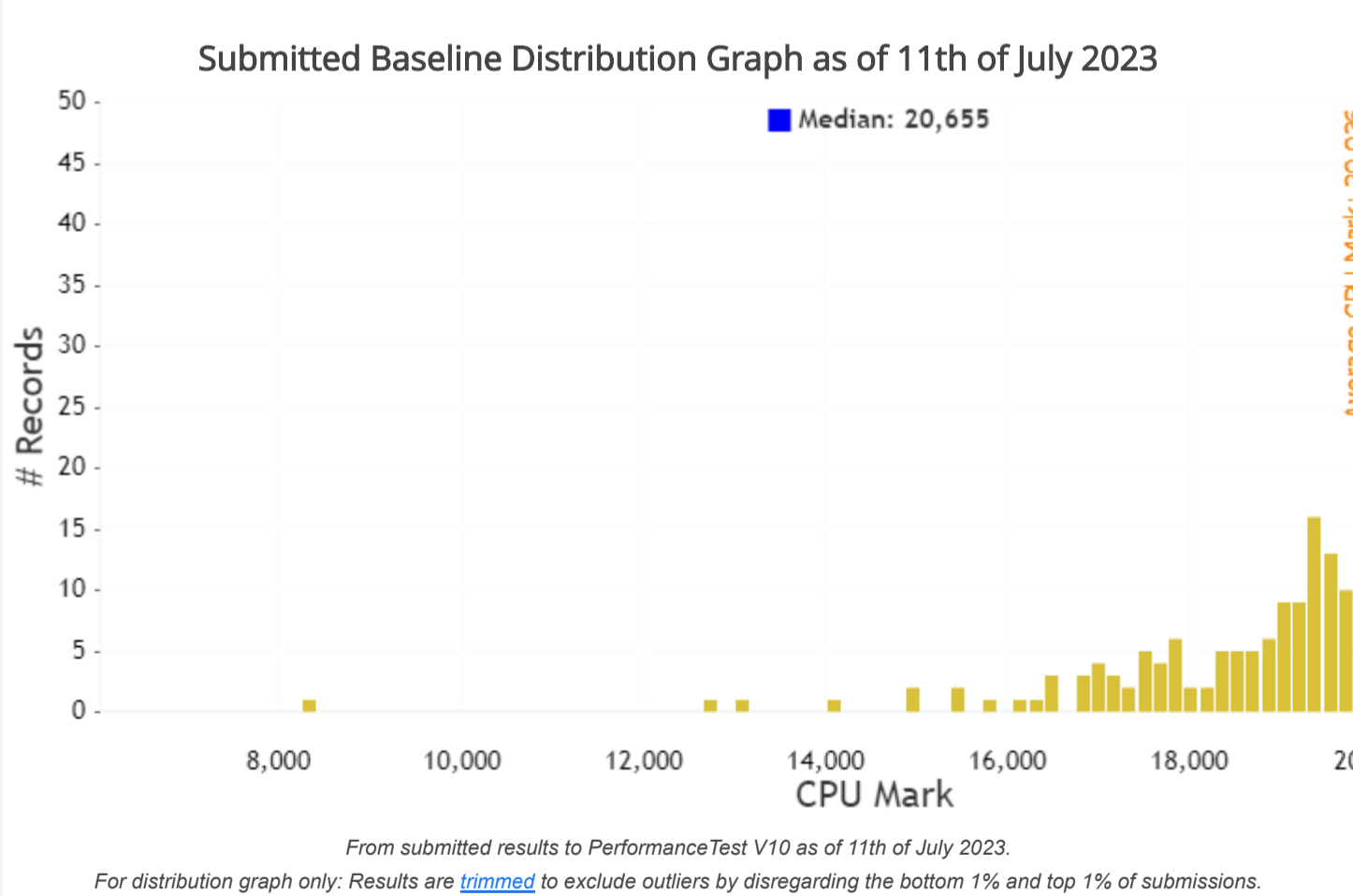
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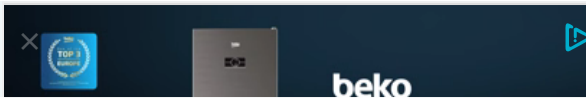
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Physics	1,183 Frames/Sec
Extended Instructions	16,124 Million Matrices/Sec
Single Thread	3,733 MOps/Sec

*From submitted results to PerformanceTest V10 as of 18th of July 2023.*

CPU Mark Distribution for Intel Core i5-12500





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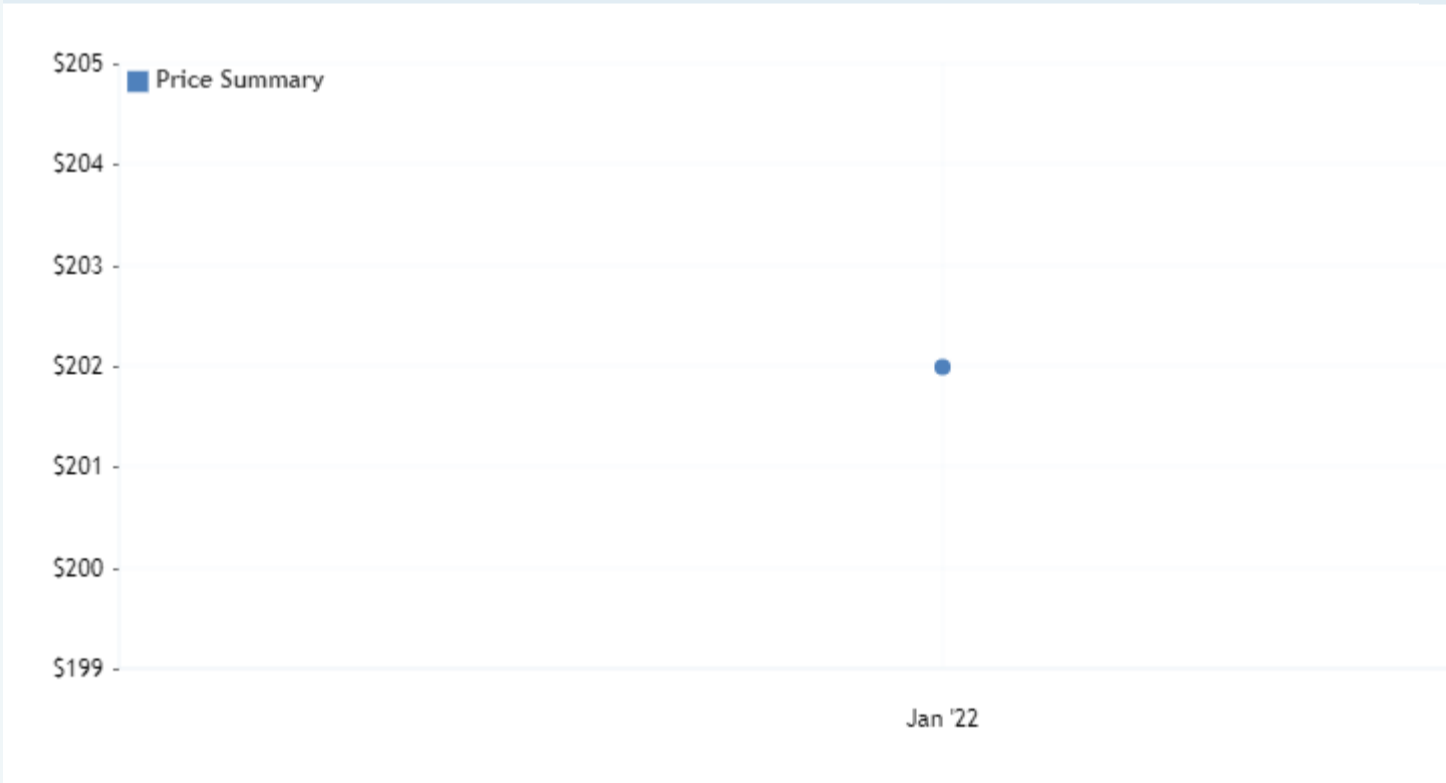
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Note: PassMark Software may earn compensation for sales from links on this site through affiliate programs.

Pricing History



Machines with this CPU (or similar)

	<a href="#">Dell OptiPlex 3000 Small Form Factor with 12th Gen Intel Core i5-12500   256GB SSD   16 GB Memory   Windows 11 Pro License Included, Black</a>	\$722.00 <small>(www.amazon.com)</small>
	<a href="#">Dell OptiPlex 3000 Full Size Tower Business Desktop, Intel Core i5-12500 Processor, 16GB RAM, 512GB PCIe SSD, DVDRW, Ethernet, WiFi Adapter, KB&amp; Mouse, Win 11 Pro, Black</a>	\$795.00 <small>(www.amazon.com)</small>
	<a href="#">HP EliteDesk 600 G9 SFF Business Desktop, Intel Core i5-12500 Processor, 16GB</a>	\$710.00 <small>(on.com)</small>



[Dell OptiPlex 3000 Full Size Tower Business Desktop, Intel Core i5-12500 Processor, 16GB DDR4 RAM, 512GB PCIe SSD, DVDRW, Ethernet, WiFi Adapter, KB& Mouse,](#)

\$779.00

(www.amazon.com)

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<a href="#">Apple M1 Max 10 Core 3200 MHz</a>		<a href="#">22,092</a>
<a href="#">AMD Ryzen 5 5600X</a>		<a href="#">21,955</a>
<a href="#">Apple M1 Pro 10 Core 3200 MHz</a>		<a href="#">21,882</a>
<b>Intel Core i5-12500</b>		<b>20,036</b>
<a href="#">Intel Core i9-9900K @ 3.60GHz</a>		<a href="#">18,470</a>
<a href="#">AMD Ryzen 5 3600</a>		<a href="#">17,790</a>
<a href="#">Intel Core i7-9700K @ 3.60GHz</a>		<a href="#">14,535</a>
<a href="#">Apple M1 8 Core 3200 MHz</a>		<a href="#">14,100</a>

**CPU Value (CPU Mark / \$Price )**

*As of 18th of July 2023 - Higher results represent better value*

**Processor**

**CPU Mark / \$Price**

<a href="#">AMD Ryzen 5 3600</a>		<a href="#">213.08</a>
<a href="#">AMD Ryzen 7 3700X</a>		<a href="#">154.13</a>
<a href="#">AMD Ryzen 5 5600X</a>		<a href="#">140.37</a>
<a href="#">Intel Core i9-12900K</a>		<a href="#">117.89</a>
<b>Intel Core i5-12500</b>		<b>99.19</b>
<a href="#">Intel Core i7-12700K</a>		<a href="#">85.04</a>



[Intel Core i9-9900K @ 3.60GHz](#)



[32.69](#)

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[3,845](#)

[Apple M1 Pro 10 Core 3200 MHz](#)



[3,820](#)

Intel Core i5-12500



[3,733](#)

[Apple M1 8 Core 3200 MHz](#)



[3,713](#)

[AMD Ryzen 5 5600X](#)



[3,359](#)

[Intel Core i9-9900K @ 3.60GHz](#)



[2,945](#)

[Intel Core i7-9700K @ 3.60GHz](#)



[2,889](#)

[AMD Ryzen 7 3700X](#)



[2,664](#)

[AMD Ryzen 5 3600](#)



[2,569](#)

**Last 5 Baselines for Intel Core i5-12500**

*Most recent listed first*

**Baseline**

**CPU Mark**

[BL1863166 - Jul 18 2023](#)



[19677](#)

[BL1863162 - Jul 18 2023](#)



[21420](#)

[BL1863161 - Jul 18 2023](#)



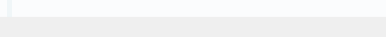
[19820](#)

[BL1861905 - Jul 16 2023](#)



[17389](#)

[BL1859503 - Jul 13 2023](#)



[21051](#)



ature.

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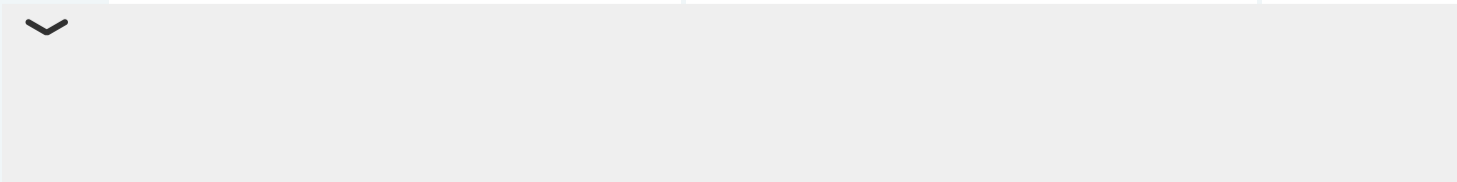
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<a href="#">Intel Core i5-12490F vs Intel Core i5-12500</a>		<a href="#">20,727</a> (+3.5%)
<a href="#">Intel Core i5-12600K vs Intel Core i5-12500</a>		<a href="#">27,803</a> (+38.8%)
<a href="#">AMD Ryzen 7 5700X vs Intel Core i5-12500</a>		<a href="#">26,825</a> (+33.9%)
<a href="#">AMD Ryzen 7 3800X vs Intel Core i5-12500</a>		<a href="#">23,245</a> (+16.0%)
<a href="#">AMD Ryzen 5 5600G vs Intel Core i5-12500</a>		<a href="#">19,938</a> (-0.5%)
<a href="#">Intel Core i5-11600KF @ 3.90GHz vs Intel Core i5-12500</a>		<a href="#">19,713</a> (-1.6%)

Is the Intel Core i5-12500 Good for Gaming?

As of 18th of July 2023 - Higher results represent better performance

Processor	Relative <a href="#">Gaming Score</a>
<a href="#">AMD Ryzen 9 7900X3D</a>	 <a href="#">9,216</a>
<a href="#">AMD Ryzen 7 7800X3D</a>	 <a href="#">9,111</a>
<a href="#">Intel Core i9-13900KS</a>	 <a href="#">8,488</a>
<a href="#">AMD Ryzen 9 7950X3D</a>	 <a href="#">8,455</a>
<a href="#">Intel Core i9-13900K</a>	 <a href="#">7,798</a>
<a href="#">AMD Ryzen 5 5600X3D</a>	 <a href="#">7,750</a>



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