

## Informacije o proizvodu (EN)

INTEL Core i7-12700KF 12-Core 3.60 GHz (5.00 GHz)  
procesor

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<https://tehnoteka.rs/p/intel-core-i7-12700kf-12-core-360-ghz-500-ghz-procesor-akcija-cena/>

# What's New This Generation



## The 12<sup>th</sup> Gen Intel® Core™ i9-12900K is the World's Best Gaming Processor!<sup>9</sup>



**NEW** Performance hybrid architecture, combining P-cores with E-cores<sup>+</sup>



**NEW** Core architecture featuring IPC improvements



**NEW** Intel® Thread Director<sup>3,+</sup>



**NEW** Expandability support

- **INDUSTRY FIRST** PCIe 5.0 support<sup>1</sup>
- **INDUSTRY FIRST** DDR5 support<sup>5</sup>
- PCH PCIe 4.0
- DDR4<sup>8</sup>



**ENHANCED** Core and memory overclocking<sup>2</sup>



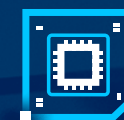
**NEW** Intel 7 process technology



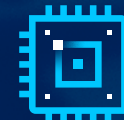
**NEW** Integrated Intel® Wi-Fi 6E support



**NEW** Increased L2 cache and L3 shared Intel® Smart Cache



**NEW** Up to 8 DMI 4.0 lanes



**ENHANCED** Intel® UHD Graphics driven by X<sup>e</sup> Architecture<sup>†</sup>



**And More!**

<sup>†</sup> Available only on 12<sup>th</sup> Gen Intel® Core™ processors featuring integrated graphics.

<sup>+</sup> Performance hybrid architecture combines two new core microarchitectures, Performance-cores (P-cores) and Efficient-cores (E-cores), on a single processor die. Select 12<sup>th</sup> Gen Intel® Core™ processors (certain 12<sup>th</sup> Gen Intel Core i5 processors and lower) do not have performance hybrid architecture, only P-cores.

<sup>1,2,3,5</sup> See notices & disclaimers for details.

<sup>9</sup> See backup for workloads and configurations. Results may vary.

Performance varies by use, configuration, and other factors. Learn more at [www.Intel.com/PerformanceIndex](https://www.intel.com/PerformanceIndex). Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure. Your costs and results may vary.

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# 12<sup>th</sup> Gen Intel® Core™ Processor SKU Chart

Processor	Processor Cores (P-cores + E-cores)*	Processor Threads	Intel® Smart Cache (L3)	Total L2 Cache	Processor Turbo Frequency			Processor Base Frequency		Unlocked <sup>2</sup>	Processor Graphics	Total CPU PCIe Lanes	Max Memory Speed <sup>8</sup>	Memory Channels	Max Memory Capacity <sup>8</sup>	Processor Base Power	Maximum Turbo Power
					Intel® Turbo Boost Max Technology 3.0 Frequency <sup>6</sup>	Single P-core Turbo Frequency <sup>7</sup>	Single E-core Turbo Frequency <sup>7</sup>	P-core Base Frequency <sup>7</sup>	E-core Base Frequency <sup>7</sup>								
Intel® Core™ i9-12900K Processor	16 (8+8)	24	30 MB	14 MB	Up to 5.2 GHz	Up to 5.1 GHz	Up to 3.9 GHz	3.2 GHz	2.4 GHz	✓	Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	125 W	241 W
Intel® Core™ i9-12900KF Processor	16 (8+8)	24	30 MB	14 MB	Up to 5.2 GHz	Up to 5.1 GHz	Up to 3.9 GHz	3.2 GHz	2.4 GHz	✓	n/a	20	DDR5-4800 DDR4-3200	2	128 GB	125 W	241 W
Intel® Core™ i7-12700K Processor	12 (8+4)	20	25 MB	12 MB	Up to 5.0 GHz	Up to 4.9 GHz	Up to 3.8 GHz	3.6 GHz	2.7 GHz	✓	Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	125 W	190 W
Intel® Core™ i7-12700KF Processor	12 (8+4)	20	25 MB	12 MB	Up to 5.0 GHz	Up to 4.9 GHz	Up to 3.8 GHz	3.6 GHz	2.7 GHz	✓	n/a	20	DDR5-4800 DDR4-3200	2	128 GB	125 W	190 W
Intel® Core™ i5-12600K Processor	10 (6+4)	16	20 MB	9.5 MB	n/a	Up to 4.9 GHz	Up to 3.6 GHz	3.7 GHz	2.8 GHz	✓	Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	125 W	150 W
Intel® Core™ i5-12600KF Processor	10 (6+4)	16	20 MB	9.5 MB	n/a	Up to 4.9 GHz	Up to 3.6 GHz	3.7 GHz	2.8 GHz	✓	n/a	20	DDR5-4800 DDR4-3200	2	128 GB	125 W	150 W
Intel® Core™ i9-12900 Processor	16 (8P+8E)	24	30 MB	14 MB	Up to 5.1 GHz	Up to 5.0 GHz	Up to 3.8 GHz	2.4 GHz	1.8 GHz		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	65 W	202 W
Intel® Core™ i9-12900F Processor	16 (8P+8E)	24	30 MB	14 MB	Up to 5.1 GHz	Up to 5.0 GHz	Up to 3.8 GHz	2.4 GHz	1.8 GHz		n/a	20	DDR5-4800 DDR4-3200	2	128 GB	65 W	202 W
Intel® Core™ i7-12700 Processor	12 (8P+4E)	20	25 MB	12 MB	Up to 4.9 GHz	Up to 4.8 GHz	Up to 3.6 GHz	2.1 GHz	1.6 GHz		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	65 W	180 W
Intel® Core™ i7-12700F Processor	12 (8P+4E)	20	25 MB	12 MB	Up to 4.9 GHz	Up to 4.8 GHz	Up to 3.6 GHz	2.1 GHz	1.6 GHz		n/a	20	DDR5-4800 DDR4-3200	2	128 GB	65 W	180 W
Intel® Core™ i5-12600 Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.8 GHz	n/a	3.3 GHz	n/a		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	65 W	117 W
Intel® Core™ i5-12500 Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.6 GHz	n/a	3.0 GHz	n/a		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	65 W	117 W
Intel® Core™ i5-12400 Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.4 GHz	n/a	2.5 GHz	n/a		Intel® UHD Graphics 730	20	DDR5-4800 DDR4-3200	2	128GB	65 W	117 W
Intel® Core™ i5-12400F Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.4 GHz	n/a	2.5 GHz	n/a		n/a	20	DDR5-4800 DDR4-3200	2	128GB	65 W	117 W
Intel® Core™ i3-12300 Processor	4 (4P+0E)	8	12 MB	5 MB	n/a	Up to 4.4 GHz	n/a	3.5 GHz	n/a		Intel® UHD Graphics 730	20	DDR5-4800 DDR4-3200	2	128 GB	60 W	89 W
Intel® Core™ i3-12100 Processor	4 (4P+0E)	8	12 MB	5 MB	n/a	Up to 4.3 GHz	n/a	3.3 GHz	n/a		Intel® UHD Graphics 730	20	DDR5-4800 DDR4-3200	2	128 GB	60 W	89 W
Intel® Core™ i3-12100F Processor	4 (4P+0E)	8	12 MB	5 MB	n/a	Up to 4.3 GHz	n/a	3.3 GHz	n/a		n/a	20	DDR5-4800 DDR4-3200	2	128 GB	58 W	89 W

# 12<sup>th</sup> Gen Intel® Core™ Processor SKU Chart

Processor	Processor Cores (P-cores + E-cores)*	Processor Threads	Intel® Smart Cache (L3)	Total L2 Cache	Processor Turbo Frequency			Processor Base Frequency		Unlocked <sup>2</sup>	Processor Graphics	Total CPU PCIe Lanes	Max Memory Speed <sup>8</sup>	Memory Channels	Max Memory Capacity <sup>8</sup>	Processor Base Power	Maximum Turbo Power
					Intel® Turbo Boost Max Technology 3.0 Frequency <sup>6</sup>	Single P-core Turbo Frequency <sup>7</sup>	Single E-core Turbo Frequency <sup>7</sup>	P-core Base Frequency <sup>7</sup>	E-core Base Frequency <sup>7</sup>								
Intel® Pentium® Gold G7400 Processor	2 (2P+0E)	4	6 MB	2.5 MB	n/a	n/a	n/a	3.7 GHz	n/a		Intel® UHD Graphics 710	20	DDR5-4800 DDR4-3200	2	128 GB	46 W	n/a
Intel® Celeron® G6900 Processor	2 (2P+0E)	2	4 MB	2.5 MB	n/a	n/a	n/a	3.4 GHz	n/a		Intel® UHD Graphics 710	20	DDR5-4800 DDR4-3200	2	128 GB	46 W	n/a
Intel® Core™ i9-12900T Processor	16 (8P+8E)	24	30 MB	14 MB	Up to 4.9 GHz	Up to 4.8 GHz	Up to 3.6 GHz	1.4 GHz	1.0 GHz		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	106 W
Intel® Core™ i7-12700T Processor	12 (8P+4E)	20	25 MB	12 MB	Up to 4.7 GHz	Up to 4.6 GHz	Up to 3.4 GHz	1.4 GHz	1.0 GHz		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	99 W
Intel® Core™ i5-12600T Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.6 GHz	n/a	2.1 GHz	n/a		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	74 W
Intel® Core™ i5-12500T Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.4 GHz	n/a	2.0 GHz	n/a		Intel® UHD Graphics 770	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	74 W
Intel® Core™ i5-12400T Processor	6 (6P+0E)	12	18 MB	7.5 MB	n/a	Up to 4.2 GHz	n/a	1.8 GHz	n/a		Intel® UHD Graphics 730	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	74 W
Intel® Core™ i3-12300T Processor	4 (4P+0E)	8	12 MB	5 MB	n/a	Up to 4.2 GHz	n/a	2.3 GHz	n/a		Intel® UHD Graphics 730	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	69 W
Intel® Core™ i3-12100T Processor	4 (4P+0E)	8	12 MB	5 MB	n/a	Up to 4.1 GHz	n/a	2.2 GHz	n/a		Intel® UHD Graphics 730	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	69 W
Intel® Pentium® Gold G7400T Processor	2 (2P+0E)	4	6 MB	2.5 MB	n/a	n/a	n/a	3.1 GHz	n/a		Intel® UHD Graphics 710	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	n/a
Intel® Celeron® G6900T Processor	2 (2P+0E)	2	4 MB	2.5 MB	n/a	n/a	n/a	2.8 GHz	n/a		Intel® UHD Graphics 710	20	DDR5-4800 DDR4-3200	2	128 GB	35 W	n/a

Intel® processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.

All processors support Intel® Virtualization Technology (Intel® VT-x).

\* Processor cores listed first are the total number of cores in the processor followed by the number of P-cores and E-cores in parentheses (P+E).

- CPU PCIe 5.0 lanes are only validated for discrete graphics (x16) and PCIe storage (1x4). 1x16 bifurcated to 2x8 provides discrete graphics (x8) + additional storage configuration support (1x8).
- Unlocked features are present with select chipsets and processor combinations. Altering clock frequency or voltage may void any product warranties and reduce stability, security, performance, and life of the processor and other components. Check with system and component manufacturers for details.
- Intel® Thread Director is designed into 12th Gen Intel® Core™ desktop processors and helps supporting operating systems more intelligently channel workloads. No user action required. See [intel.com](https://www.intel.com) for details.
- Intel® Optane™ memory requires specific hardware and software configuration. Visit [intel.com/OptaneMemory](https://www.intel.com/OptaneMemory) for configuration requirements.
- DDR5 Memory speeds are associated with 1DPC configurations. For additional 2DPC configuration details, refer to the Alder Lake Processor External Design Specification (EDS), Doc ID 619501.
- Intel® Turbo Boost Max Technology 3.0 is only available on Performance-cores.
- Efficient-core frequencies are lower to optimize power usage. The frequency of cores and core types varies by workload, power consumption, and other factors. Visit [www.intel.com/content/www/us/en/architecture-and-](https://www.intel.com/content/www/us/en/architecture-and-technology/turbo-boost/turbo-boost-technology.html)

[technology/turbo-boost/turbo-boost-technology.html](https://www.intel.com/content/www/us/en/architecture-and-technology/turbo-boost/turbo-boost-technology.html) for more information.

- Memory speeds are associated with 1DPC configurations. Maximum memory capacity of 128GB is achievable with 2DPC configuration.
- As measured by unique features and superior in-game benchmark mode performance (score or frames per second) on majority of the 31 game titles tested (as of 10/14/2021), including in comparison to AMD Ryzen 5950X. Performance results are based on testing as of 10/14/2021.

#### Full Configurations:

Processor: 12th Gen Intel® Core™ i9-12900K processor (ADL-S) PL1 set to 241W TDP, 16C24T (8P+8E); Motherboard: Pre-production Asus ROG Strix-E Z690; Memory: Sk Hynix DDR5 CL 36-36-36-70, 2X 32GB DDR5-4400MHz; Storage: Samsung 980 Pro 1TB; Display Resolution: 1920x1080; OS: Microsoft Windows 11 Pro 22000.9; Graphics card: NVIDIA RTX 3090 (FTW3), Graphics driver: 471.68; Motherboard BIOS version: 0007  
 Processor: 11th Gen Intel® Core™ i9-11900K processor (RKL-S) PL1 set to 250W TDP, 8C16T; Motherboard: Asus ROG Maximus XIII Hero; Memory: G. Skill DDR4 CL 14-14-14-34, 4X 16GB DDR4-3200 MHz; Storage: Samsung 980 Pro 1TB; Display Resolution: 1920x1080; OS: Microsoft Windows 11 Pro 22000.9; Graphics card: NVIDIA RTX 3090 (FTW3), Graphics driver: 471.68; Motherboard BIOS version: 1007  
 Processor: AMD Ryzen™ 9 5950X processor PL1=105W TDP, 16C32T; Motherboard: Asus ROG Crosshair Hero VIII; Memory: G. Skill DDR4 CL 14-14-14-34, 4X 16GB DDR4-3200 MHz; Storage: Samsung 980 Pro 1TB; Display Resolution: 1920x1080; OS: Microsoft Windows 11 Pro 22000.9; Graphics card: NVIDIA RTX 3090 (FTW3), Graphics driver: 471.68; Motherboard BIOS version: 3801

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Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

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