

Intel Core i9-12900K (16C, 3.20GHz, 30MB, boxed)



✓ 1 Stück ab Lager verfügbar (Lieferzeit ca. 1-3 Arbeitstage)

Listenpreis:

~~CHF 421.15~~

Du sparst bei Orderflow::

CHF -50.45

CHF **370.70**

Entworfen für Gaming der nächsten Generation.

Hersteller

Intel

EAN

5032037234641

Hersteller-Nr

BX8071512900K

Markiert als

Neu

Beschreibung

12th Gen Intel® Core™ i9-12900K
desktop processor

Built for the next generation of gaming.

Revolutionary performance and multitasking.

With the highest clock speeds and a groundbreaking new architecture, you'll be able to push your gameplay to new heights while secondary apps run seamlessly in the background.

Up to
5.2 GHz Max Clock Speed¹

16 Cores

8 Performance-cores
8 Efficient-cores

24 Threads

16 on Performance-cores
8 on Efficient-cores



Unlocked and overclockable²

Single P-core Max / Base Clock Speed: 5.2/3.2 GHz
Single E-core Max / Base Clock Speed: 3.9/2.4 GHz
Intel® Turbo Boost Max Technology 3.0
Processor base power: 125W

Intel® Smart Cache: 30MB
Motherboard compatibility: 600 series³
Total CPU PCIe lanes: 20
Memory speed: DDR5

Divide and conquer.

Intel's new performance hybrid architecture integrates two core families into a single CPU, keeping everything in your gaming universe running smoothly.

Intel® Thread Director

Prioritizes and manages workloads, sending tasks to the best core for the job.⁴

8 Performance-cores

P-cores are built for performance across single and lightly-threaded workloads, enhancing activities like gaming and productivity.

8 Efficient-cores

E-cores are optimized for multi-threaded performance, minimizing interruptions from secondary tasks.

Performance beyond the cores.

The new processor architecture is also compatible with the latest platform innovations, giving you performance improvements throughout your PC.

Ready for what's next

Support for PCIe Gen 5 and DDR5 for high-performance components like memory and graphics.





Best-in-class connectivity

Thunderbolt™ 4 and Intel® Killer™ Wi-Fi 6E (Gig+) deliver fast transfer speeds and connections to peripherals.⁵

Streamlined overclocking

Separate overclocking controls for both types of cores gives you nuanced personalization.

¹On performance cores. Performance varies by use, configuration and other factors. Learn more at www.intel.com/PerformanceIndex.
²Unlocked 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.
³600 series compatibility available on select motherboards only. Not all features present on all motherboards. Check with your motherboard manufacturer.
⁴Intel® Thread Director is designed into 12th Gen Intel® Core™ processors and helps supporting operating systems to more intelligently channel workloads to the right core. No user action required. See [intel.com](https://www.intel.com) for details.
⁵Visit www.intel.com/PerformanceIndex (connectivity) for more details.
 No product or component can be absolutely secure. Your costs and results may vary.
 Intel technologies may require enabled hardware, software or services, some of which may not be available on all systems. Please check with the manufacturer for full system specifications.
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Wir empfehlen generell das neuste Bios Update*.

Mögliche Kürzel im Prozessornamen und Ihre Bedeutung:

K = Takt nicht gesperrt, Übertakten* möglich, benötigt Mainboard mit Z Chipsatz und top Kühlung

F = Optimiert auf reine Prozessorleistung, separate Grafikkarte für den Betrieb erforderlich

T = Energieoptimierte Prozessorvariante, niedriger Stromverbrauch für PCs im Dauerbetrieb

S = Sonderausgabe, limitierte leistungsstarke Variante eines Prozessors, oft schnell vergriffen

*Prozessoren, Mainboards und andere Bauteile können durch unsachgemäßes Übertakten oder nicht fachgerechten Einbau zerstört werden. Falsche Bios Updates können zum Totalausfall des Mainboards führen. Beides ist nicht durch uns oder den Hersteller durch Garantie oder Gewährleistung abgedeckt. Gerne führen wir Umrüstungen für Sie fachgerecht aus.

Spezifikation

Produktbeschreibung	Intel Core i9 12900K / 3.2 GHz Prozessor - Box (ohne Kühler)
Produkttyp	Prozessor
Prozessortyp	Intel Core i9 12900K (12. Gen.)
Anz. der Kerne	16 Kerne / 24 Threads

Cache-Speicher	30 MB
Integrierte Grafik	Intel UHD Graphics 770
Geeignete Sockel	LGA1700 Socket
Prozessoranz.	1
Taktfrequenz	3.2 GHz
Max. Turbo-Taktfrequenz	5.2 GHz
Herstellungsprozess	7 nm
Funktionen	Enhanced SpeedStep technology, Hyper-Threading-Technologie, Unterstützung für Execute Disable Bit, Intel Virtualization Technology, Intel 64 Technology, Streaming-SIMD-Erweiterungen 4.1, Streaming-SIMD-Erweiterungen 4.2, Intel AES New Instructions (AES-NI), Thermal Monitoring Technologies, Intel Virtualization Technology for Directed I/O (VT-d), Idle States, Intel VT-x with Extended Page Tables (EPT), Intel Secure Key, Intel Advanced Vector Extensions 2 (AVX2.0), Intel OS Guard, Intel Turbo Boost Max Technology 3.0, Intel Speed Shift Technology, Intel Optane Memory Supported, Mode-based Execute Control (MBE), Intel Volume Management Device (VMD), Intel Boot Guard, Intel Deep Learning Boost (DL Boost), Intel Control-Flow Enforcement Technology, Intel Gaussian and Neural Accelerator 3.0, Intel Thread Director, Instruction Set 64-bit
Herstellergarantie	3 Jahre Garantie

Tech. Details

Produkttyp	Prozessor
Typ / Formfaktor	Intel Core i9 12900K (12. Gen.)
Anz. der Kerne	16 Kerne
Anz. der Threads	24 Threads
Cache-Speicher	30 MB
Cache-Speicher-Details	Smart Cache - 30 MB L2 - 14 MB
Prozessoranz.	1
Taktfrequenz	3.2 GHz
Max. Turbo-Taktfrequenz	5.2 GHz
Geeignete Sockel	LGA1700 Socket
Herstellungsprozess	7 nm
Thermal Design Power	241 W

(TDP)

Temperaturspezifikationen	100 °C
PCI Express Revision	5.0
PCI Express-Konfigurationen	1x16+1x4, 2x8+1x4
Anz. PCI Express Lanes	20
Architektur-Merkmale	Enhanced SpeedStep technology, Hyper-Threading-Technologie, Unterstützung für Execute Disable Bit, Intel Virtualization Technology, Intel 64 Technology, Streaming-SIMD-Erweiterungen 4.1, Streaming-SIMD-Erweiterungen 4.2, Intel AES New Instructions (AES-NI), Thermal Monitoring Technologies, Intel Virtualization Technology for Directed I/O (VT-d), Idle States, Intel VT-x with Extended Page Tables (EPT), Intel Secure Key, Intel Advanced Vector Extensions 2 (AVX2.0), Intel OS Guard, Intel Turbo Boost Max Technology 3.0, Intel Speed Shift Technology, Intel Optane Memory Supported, Mode-based Execute Control (MBE), Intel Volume Management Device (VMD), Intel Boot Guard, Intel Deep Learning Boost (DL Boost), Intel Control-Flow Enforcement Technology, Intel Gaussian and Neural Accelerator 3.0, Intel Thread Director, Instruction Set 64-bit
Typ	Intel UHD Graphics 770
Basisfrequenz	300 MHz
Max. dynamische Frequenz	1.55 GHz
Max. unterstützte Auflösung	5120x3200@120Hz (eDP), 7680x4320@60Hz (DP), 4096 x 2160 bei 60 Hz (HDMI)
Funktionen	Intel Clear Video HD Technology, Intel Quick Sync Video, Quad Display Capable
Verpackung	Intel-Verpackung ohne Kühlkörper/Lüfter
Service und Support	Begrenzte Garantie - 3 Jahre

Zubehör

Reinigungszubehör



Arctic Silver Thermischer Materialentferner ArctiClean
2x 30 ml, Zubehörtyp: Thermischer Materialentferner

CHF **22.55**



Computerkühlsysteme (5)



Arctic Silver Wärmeleitpaste Arctic Silver 5 3.5 g,
Zubehörtyp: Wärmeleitpaste

CHF **15.35**



Corsair Wärmeleitpaste TM30, Zubehörtyp:
Wärmeleitpaste

CHF **11.35**



Corsair Wärmeleitpaste XTM50, Zubehörtyp:

CHF **16.35**



Wärmeleitpaste



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