



## Desktop Processor AMD Ryzen 7 5800X Vermeer (8 Cores, 3.8 GHz Base, 4.7 GHz Boost, 32MB Cache, AM4)

Modelis: 100-100000063WOF

Gamintojas: AMD

EAN: 730143312714

Prekės kodas: 56149

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# 495.99€

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## AMD Ryzen 7 5800X: Extreme Performance for Gamers and Creators

The AMD Ryzen 7 5800X desktop processor is engineered to deliver elite performance for the most demanding users. Built upon the groundbreaking Zen 3 architecture (Vermeer), this CPU provides

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Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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exceptional single-core speed, crucial for gaming, combined with powerful multi-threaded capability, essential for content creation and complex rendering tasks.

## Key Performance Features

- **8 Cores / 16 Threads:** Offers robust multi-tasking and accelerates demanding professional workloads, including 3D rendering, high-resolution video encoding, and running virtual machines.
- **High Clock Speeds:** Featuring a base clock of 3.8 GHz and a blistering maximum boost frequency of 4.7 GHz, ensuring rapid processing and responsiveness.
- **32MB L3 Cache:** Large cache size significantly reduces data access latency, leading to faster load times and smoother frame rates in CPU-intensive games.
- **Zen 3 Architecture:** Provides significant Instructions Per Clock (IPC) improvements, translating directly into superior overall performance and energy efficiency.

## Optimized for Next-Generation Gaming

Elevate your PC gaming experience. The Ryzen 7 5800X is perfectly optimized for high refresh rate monitors and high-end graphics cards, delivering exceptional frame rates and reduced load times. Support for cutting-edge technologies like PCIe 4.0 doubles the bandwidth compared to previous generations, ensuring the fastest communication between your AMD Ryzen processor and compatible components, such as the latest NVMe SSDs and GPUs.

## Seamless Compatibility and Technology

Designed for the widely adopted AM4 platform, the Ryzen 7 5800X offers flexibility when building or upgrading your system. It supports high-speed DDR4 memory up to 3200 MHz, maximizing system bandwidth and responsiveness. While operating at an efficient 105W TDP, this processor requires an advanced cooling solution (cooler not included in this WOF BOX version) to maintain peak performance, utilizing AMD's Precision Boost 2 technology for dynamic clock speed adjustments based on workload.

**AMD (Advanced Micro Devices)** is a global leader in high-performance computing and graphics technologies, known for pushing the boundaries of innovation with products like the Ryzen series. AMD processors provide excellent value and performance for both mainstream consumers and

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## AMD Ryzen 7 5800X

### Unleash Extreme Performance

The AMD Ryzen 7 5800X processor offers unmatched performance for gamers, creators, and professionals. With eight cores and sixteen threads, it delivers powerful multi-threaded performance for demanding tasks such as gaming, video editing, and 3D rendering. Its high clock speeds ensure rapid processing, making it ideal for both intensive workloads and multitasking.

### Optimized for Gaming

The Ryzen 7 5800X is designed to elevate your gaming experience. With its impressive single-core performance and support for PCIe 4.0, this processor ensures smooth gameplay, faster load times, and exceptional frame rates. It's the perfect companion for high-end graphics cards, delivering an immersive gaming experience with stunning visuals and responsiveness.

### Superior Multi-Core Performance

Thanks to its eight cores and sixteen threads, the Ryzen 7 5800X excels in multi-core applications. Whether you're rendering complex 3D scenes, encoding high-resolution videos, or running virtual machines, this processor handles it all with ease. Its multi-threaded performance makes it a powerhouse for content creators and professionals who demand efficiency and speed.

### Enhanced Efficiency with Zen 3 Architecture

Built on AMD's innovative Zen 3 architecture, the Ryzen 7 5800X offers significant improvements in performance and efficiency. The optimized design ensures better power consumption, allowing for cooler and quieter operation even under heavy loads. This architecture enhances instructions per clock (IPC), resulting in faster processing and improved overall performance.

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## Cutting-Edge Technology

The Ryzen 7 5800X supports the latest technologies, including PCIe 4.0, ensuring faster data transfer and improved system performance. It is also compatible with high-speed DDR4 memory, enabling users to build systems with impressive bandwidth and responsiveness. Additionally, its support for AMD's Precision Boost 2 technology ensures optimal performance by dynamically adjusting clock speeds based on workload.

## Seamless Compatibility

This processor is compatible with a wide range of motherboards featuring the AM4 socket. It offers users flexibility in building or upgrading their systems, making it an ideal choice for DIY enthusiasts. The support for BIOS updates ensures that users can take advantage of new features and improvements over time.

## Advanced Cooling Solutions

The Ryzen 7 5800X is designed to work efficiently with advanced cooling solutions. AMD's bundled Wraith Prism cooler ensures effective heat dissipation, maintaining stable temperatures even during extended usage. For users seeking additional cooling performance, the processor is compatible with a variety of aftermarket coolers and liquid cooling solutions.

## Energy Efficiency and Sustainability

With its improved power efficiency, the Ryzen 7 5800X is not only powerful but also eco-friendly. Its energy-efficient design helps reduce electricity consumption, making it a sustainable choice for environmentally conscious users. This efficiency also contributes to lower operating temperatures, enhancing system longevity and reliability.

## Ideal for Content Creators and Professionals

The Ryzen 7 5800X is a versatile processor that excels in professional applications. Whether you're a video editor, 3D artist, or software developer, this processor provides the performance and reliability needed for complex tasks. Its multi-core performance ensures fast rendering times, smooth multitasking, and enhanced productivity.

In conclusion, the AMD Ryzen 7 5800X processor is a top-tier choice for gamers, content creators, and professionals. With its high-performance cores, advanced technologies, and energy-efficient

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design, it delivers a superior computing experience for a wide range of applications. Whether you're building a gaming rig, a content creation workstation, or a professional desktop, the Ryzen 7 5800X provides the power and performance needed to excel.

Vendor Homepage: [www.amd.com/en/products/processors/desktops/ryzen/5000-series/amd-ryzen-7-5800x.html](http://www.amd.com/en/products/processors/desktops/ryzen/5000-series/amd-ryzen-7-5800x.html) | CPU application: Desktop | CPU Family name: AMD Ryzen 7 | Model number: 5800X | Core name: Vermeer | Clock speed: 3800 | Number of cores: 8 | Cache: 32MB | Socket: SAM4 | Wattage: 105 | Turbo frequency: 4700 | Integrated graphics: No | Memory type: DDR4 | Frequency speed: 3200 | Packing type: BOX | Units per Shipping Box: 1 | Unit Calculated Volume: 0.001276 | Product Net Weight: 0.032 | Unit Calculated Weight: 0.12

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