



CPU AMD Desktop Ryzen 7 R7-7700X 4500 MHz Cores 8 32MB Socket SAM5 105 Watts GPU Radeon BOX 100- 100000591WOF



Model: 100-100000591WOF

Manufacturer: AMD

EAN: 730143314428

Product Code: 333003

R5,241

This Changes Everything

The most advanced PC processor for gamers and creators.1

Welcome to the new era of performance. AMD Ryzen 7000 Series ushers in the speed of "Zen 4" for gamers and creators with pure power to tackle any game or workflow on the digital playground. The

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world's most advanced PC processor¹ for gamers and creators extends AMD performance leadership to power your PC.

Change How You Game

When your PC has the world's most advanced desktop processor for gamers, you can focus on what really matters: being victorious on the digital battlefield. Whether you're playing the latest titles or revisiting a classic, the AMD Ryzen™ 7000 Series processors are a gaming powerhouse with high-performance "Zen 4" cores. With up to 16 cores, 32 threads, boost clocks of up to 5.7GHz² and up to 80MB of cache, AMD Ryzen 7000 Series processors deliver game changing performance.

The Latest Technologies

Whether you are 3D rendering a high poly scene, exporting massive video files, or visualizing an architectural dream, AMD Ryzen™ 7000 Series processors are built to beat the clock. With time-saving connectivity like PCIe® 5.0 storage support, ultra-fast WiFi® 6E, AMD EXPO™ technology, up to 32 processing threads, and dedicated video accelerators³, elevate your experience with AMD Ryzen 7000 Series processors.

Elevate Your Processing Power

AMD Ryzen™ processors have bleeding-edge technologies to support and keep you in the game.

Easy Overclocking, Game On⁴

Accelerate your gaming with AMD EXPO™ technology. Higher memory frequencies and more aggressive settings can unlock higher and smoother frame rates in your favorite games.

Precision Boost 2

Boost performance when you need it

Precision Boost 2 automatically raises processor frequencies for supercharged performance when you need it most.

Precision Boost Overdrive

Making Precision Boost 2 Even Better

Precision Boost Overdrive⁵ uses your motherboard's robust design to boost clock speeds higher and longer, and lets you overclock² at the touch of a button.

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Unlocked for Overclocking⁶

Control your processing power

Tweak and tune your AMD Ryzen processor for personalized performance using the robust AMD Ryzen Master utility.

The Future Of Ryzen™ Processors

Get fast “Zen 4” performance with AMD Socket AM5 motherboards.

The all-new AMD Ryzen 7000 Series processors are packed with state-of-the-art technologies for an effortlessly modern PC. Highlights include high-speed DDR5 memory, PCIe® 5.0 support, AMD EXPO™ one-touch memory overclocking, and hyper-efficient 5nm manufacturing. Put an AMD Socket AM5 motherboard at the heart of your rig to dominate the games you love today and tomorrow. If your PC needs the latest and greatest capabilities, insist on AMD Ryzen™ processors.

1. Based on 5nm process node as of August 2022.
2. Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates. GD-150.
3. Video codec acceleration (including at least the HEVC (H.265), H.264, VP9, and AV1 codecs) is subject to and not operable without inclusion/installation of compatible media players. GD-176
4. Overclocking and/or undervolting AMD processors and memory, including without limitation, altering clock frequencies / multipliers or memory timing / voltage, to operate outside of AMD's published specifications will void any applicable AMD product warranty, even when enabled via AMD hardware and/or software. This may also void warranties offered by the system manufacturer or retailer. Users assume all risks and liabilities that may arise out of overclocking and/or undervolting AMD processors, including, without limitation, failure of or damage to hardware, reduced system performance and/or data loss, corruption or vulnerability. GD-106.
5. Precision Boost Overdrive requires a compatible AMD Ryzen Threadripper, 3rd Gen AMD Ryzen processor, or Ryzen 5000 Series processor and a motherboard compatible with one or more of these processors. 2nd Gen AMD Ryzen processors including the Ryzen 3200G processor are not compatible with Precision Boost Overdrive. Because Precision Boost Overdrive enables operation of the processor outside of specifications and in excess of factory settings, use of the feature invalidates the AMD product warranty and may also void warranties offered by the system manufacturer or retailer. GD-135.

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6. AMD's product warranty does not cover damages caused by overclocking, even when overclocking is enabled via AMD hardware and/or software. GD-26.

7. Testing as of 15 August, 2022, by AMD Performance Labs using the following hardware: AMD Socket AM5 Reference Motherboard with AMD Ryzen™ 9 7950X, Ryzen™ 9 7900X, Ryzen™ 5 7600X and G.Skill DDR5-6000C30 (F5-6000J3038F16GX2-TZ5N) with AMD EXPO™; versus AMD Socket AM4 Reference Motherboard with Ryzen™ 9 5950X, Ryzen™ 9 5900X, Ryzen™ 5 5600X; versus ROG Maximus Z690 Hero with Core i9-12900K and G.Skill DDR5-6000C30 (F5-6000J3038F16GX2-TZ5N) with AMD EXPO™ loaded. ALL SYSTEMS configured with NXZT Kraken X63, open air test bench, Radeon™ RX 6950XT (driver 22.7.1 Optional), Windows® 11 22000.856, AMD Smart Access Memory/PCIe® Resizable Base Address Register ("ReBAR") ON, Virtualization-Based Security (VBS) OFF. All games tested at 1920x1080 with HIGH in-game preset and the chronologically newest graphics industry API available within the game's rendering engine (e.g. Vulkan® over OpenGL™, DirectX® 12 over DirectX® 11). Results may vary. RPL-007

Summary: AMD Ryzen 7 7700X. Processor family: AMD Ryzen™ 7, Processor socket: Socket AM5, Package type: Box. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR5-SDRAM. On-board graphics card model: AMD Radeon Graphics, On-board graphics card base frequency: 400 MHz, On-board graphics card dynamic frequency (max): 2200 MHz. Compatible operating systems: Windows 11 - 64-Bit, Windows 10 - 64-Bit, RHEL x86 64-Bit, Ubuntu x86 64-Bit. USB version: 2.0/3.2 Gen 2 (3.1 Gen 2) | Vendor Homepage: <https://www.amd.com/en/products/cpu/amd-ryzen-7-7700x> | Procesoriaus gamintojas: AMD | Procesoriaus karta: AMD Ryzen 7000 Series | Procesoriaus modelis: 7700X | Procesoriaus bazinis dažnis: 4.5 | Procesoriaus šeima: AMD Ryzen™ 7 | Procesoriaus branduoliai: 8 | Procesoriaus lizdas: AM5 lizdas | Temų skaičius: 16 | Procesoriaus valdymo režimai: 64 bitų | Procesoriaus padidintas dažnis: 5.4 | Procesoriaus podėlis: 32 | Procesoriaus podėlio tipas: L3 | Šilumos galios išvado dydis (TDP): 105 | Pakuotės tipas: „Box“ | Pridedamas aušintuvas: Ne | Procesoriaus palaikoma didžiausia vidinė atmintis: 128 | Procesoriaus palaikomi atminties tipai: DDR5-SDRAM | Procesoriaus palaikomi atminties laikrodžio veikimo greičiai: 3600/5200 | Atminties kanalai: Dviejų kanalų | ECC: Taip | Non-ECC: Taip | Diskretusis grafikos adapteris: Ne | Integruotas grafikos adapteris: Taip | Integruoto grafikos adapterio modelis: AMD Radeon Graphics | Integruoto grafikos adapterio bazinis dažnis: 400 | Integruoto grafikos adapterio dinaminis dažnis (maks.): 2200 | Diskrečiojo grafikos adapterio modelis: Nepasiekama | PCI „Express“ angų versija: 5.0 | Suderinamos operacinės sistemos: Windows 11 - 64-Bit, Windows 10 - 64-Bit, RHEL x86 64-Bit, Ubuntu x86 64-Bit | USB versija: 2.0/3.2 Gen 2 (3.1 Gen 2) | USB prievadų skaičius: 5 | „Intel® Hyper

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Threading“ technologija („Intel® HT“ technologija): Ne | Maksimali veikimo temperatūra: 95 |
Paleidimo data: 9/15/2022 | L1 sparčioji atmintis: 0.512 | L2 slėptuvė: 8000 | Bruto svoris: 0.17 | Neto
svoris: 0.1 | Vienetų skaičius vienoje siuntimo dėžėje: 4 | Vieneto plotis: 12.5 | Shipping Box Height:
15 | Vieneto gylis: 12.5 | Vieneto aukštis: 3.5 | Name: CPU RYZEN X8 R7-7700X SAM5 BX/105W 100-
100000591WOF AMD | Model: 100-100000591WOF | Procesorių šeimos pavadinimas: AMD Ryzen 7 |
Modelis: R7-7700X

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