

THE ULTIMATE WORKSTATION PROCESSOR FOR AI DEVELOPMENT AND MACHINE LEARNING

DESIGNED TO DELIVER. BUILT FOR BREAKTHROUGHS.

AI developers and machine learning engineers who prioritize full control over their data can now run large language models (LLMs) and diffusion models entirely on-premises - eliminating the need to rely on external cloud services. With the **AMD Ryzen™ Threadripper™ PRO 9000 WX-Series processors** at the heart of their workstation, they gain access to massive core counts, vast memory, and high I/O throughput. These processors, combined with support for multiple PCIe® 5.0 GPUs, deliver the parallel processing power and accelerated compute performance required for training, fine-tuning, and inference of advanced AI models. This empowers professionals to build, iterate, and deploy cutting-edge AI solutions locally while maintaining full sovereignty over sensitive datasets and intellectual property.

AMD Ryzen™ Threadripper™ PRO 9000 WX-Series processors feature up to 96 “Zen 5” cores, cutting edge memory capabilities, 128 PCIe 5.0® lanes and AMD PRO technologies for peak professional productivity.



UP TO 96 CORES

TO ACCELERATE
MULTITHREADED TASKS

HIGH FREQUENCIES

FOR FAST DATA PRE-PROCESSING
AND CODE COMPIATION

LARGE MEMORY CAPACITY

TO TACKLE THE MOST
DEMANDING PROJECTS

128 PCIe® 5.0 LANES

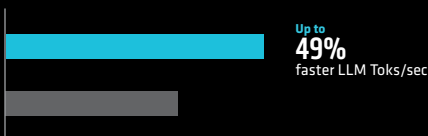
FOR ULTIMATE
EXPANDABILITY

THE RIGHT TOOL FOR THE JOB

AMD Ryzen™ Threadripper™ PRO 9000 WX-Series processors outperform the competition in both lightly threaded and multi-threaded workloads. For **AI developers and machine learning engineers**, this means you don't have to sacrifice productivity when switching between tasks with different compute requirements.

Take advantage of up to 96 cores in Threadripper™ PRO 9000 WX-Series processors when working with large language (LLMs) or diffusion models, such as Llama, Mistral, DeepSeek R1 or FLUX.1. AMD Ryzen™ Threadripper™ PRO 9000 WX-Series processors outperform Intel® Xeon™ W-3500 series in AI, Machine Learning and general software development workloads^{1,2}.

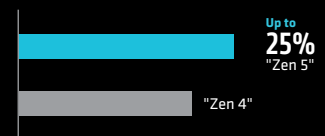
DeepSeek R1 32B LLM



ComfyUI + Flux.1 [schnell] Diffusion Model



SPEC® Workstation AI & ML³ [Fixed Frequency, 96 Cores]



■ AMD Ryzen™ Threadripper™ PRO 9995WX (96C / 192T)

■ Intel® Xeon™ W9-3595X (60C / 120T)

■ Zen 5

■ Zen 4

AMD PRO TECHNOLOGIES

AMD PRO technologies provides layers of security features, seamless manageability, and reliable longevity so you can work confidently and securely. AMD innovations go beyond pure processing speed because today's modern workplace needs every possible advantage.

AMD PRO SECURITY



- Designed from the ground up with security features as a priority
- An integrated security processor helps protect confidentiality and integrity of data

AMD PRO MANAGEABILITY



- Remotely update and repair networked devices
- Monitor, restore, and upgrade systems
- Fix a wide range of client issues in-band and out-of-band

AMD PRO BUSINESS READY



- 18 months of planned software stability brings peace of mind
- 24 months of planned availability for a stable enterprise
- Enterprise-grade quality and long-term reliability

MODEL SPECIFICATION

Model	Cores/ Threads	Boost ⁴ / Base Frequency	L3 Cache	Memory Channels	TDP	AMD PRO Technologies
AMD Ryzen™ Threadripper™ PRO 9995WX	96 / 192	Up to 5.4GHz / 2.5GHz	384MB	8	350W	✓
AMD Ryzen™ Threadripper™ PRO 9985WX	64 / 128	Up to 5.4GHz / 3.2GHz	256MB	8	350W	✓
AMD Ryzen™ Threadripper™ PRO 9975WX	32 / 64	Up to 5.4GHz / 4.0GHz	128MB	8	350W	✓
AMD Ryzen™ Threadripper™ PRO 9965WX	24 / 48	Up to 5.4GHz / 4.2GHz	128MB	8	350W	✓
AMD Ryzen™ Threadripper™ PRO 9955WX	16 / 32	Up to 5.4GHz / 4.5GHz	64MB	8	350W	✓
AMD Ryzen™ Threadripper™ PRO 9945WX	12 / 24	Up to 5.4GHz / 4.7GHz	64MB	8	350W	✓

FOOTNOTES:

1. LM Studio + DeepSeek R1 (CPU/GPU) benchmarks to compare the performance of the AMD Ryzen Threadripper PRO 9995WX processor in a reference system configured with 8x 64GB DDR5 memory, Nvidia RTX PRO 6000 Blackwell graphics, 1TB SSD, Win 11 vs. a similarly configured BOXX workstation with the Intel® Xeon® W9-3595X processor. Workstation manufacturers may vary configurations, yielding different results. Results may vary. SHP-06.
2. ComfyUI 0.3.34 + FLUX.1 [schnell] diffusion model test to compare the image generation performance of the AMD Ryzen Threadripper PRO 9995WX processor in a reference system configured with 8x 64GB DDR5 memory, Nvidia RTX PRO 6000 Blackwell graphics, 1TB SSD, Win 11 vs. a similarly configured BOXX workstation with the Intel® Xeon® W9-3595X processor. Workstation manufacturers may vary configurations, yielding different results. Results may vary. SHP-08.
3. SPEC Workstation, SPECint_PTC Creo, Revit Model Creation, V-Ray, Keyshot Viewer, Catalyst AutoCAD and PugetBench for Adobe After Effects benchmark to compare the performance of the AMD Ryzen Threadripper PRO 9995WX processor with a fixed frequency of 3.2GHz in a reference system configured with 8x 64GB DDR5 memory, 1TB SSD, Win 11 vs. a similarly configured reference system with the AMD Ryzen Threadripper PRO 7995WX processor also at the same fixed frequency. Workstation manufacturers may vary configurations, yielding different results. Results may vary. SHP-25.
4. Boost Clock Frequency is the maximum frequency achievable on the CPU running a bursty workload. Boost clock achievability, frequency, and sustainability will vary based on several factors, including but not limited to: thermal conditions and variation in applications and workloads. Q0-150.

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