AMD THREADRIPPER PRO

DESIGN. BUILD. ACCELERATE.
ON THE ULTIMATE WORKSTATION PROCESSOR FOR ARCHITECTURAL DESIGN

LEADERSHIP PERFORMANCE COMPARED TO INTEL® XEON® W-3400 SERIES[1]

Demanding architects and engineers rely on a variety of applications in their workflow, each with different compute requirements that range from lightly threaded 3D modeling to multithreaded reality capture and rendering tasks. **AMD Ryzen™ Threadripper™ PRO 5000 WX-Series** processors are battle-tested, offering industry leading workstation performance,[1] and deliver the versatility to optimize their professional workstation experience by addressing common workflow bottlenecks.

With an expanding portfolio available through leading OEMs and system integrators, demanding architects and engineers can choose from a variety of Threadripper™ PRO 5000 WX-Series processor-based solutions to help them accelerate virtually any creative professional workflow.

UP TO 64 CORES	HIGH FREQUENCIES	LARGE MEMORY CAPACITY	128 PCIe® 4.0 LANES
TO ACCELERATE MULTITHREADED TASKS	FOR SEAMLESS 3D MODELING AND DESIGN	TO TACKLE THE MOST DEMANDING PROJECTS	FOR THE ULTIMATE EXPANDABILITY

UPGRADE TO THE RIGHT TOOL FOR THE JOB

AMD Ryzen™ Threadripper™ PRO Processors are ideal for both lightly threaded and multi-threaded workloads. **For architects and engineers**, this means you don't have to sacrifice productivity when switching between tasks with different compute requirements.

Take advantage of Threadripper™ PRO processor's high frequency cores for general 3D modeling and design tasks with tools like Dassault Solidworks and up to 64 high-performance cores for generating photorealistic renderings and complex simulation. AMD Ryzen™ Threadripper™ PRO 5000 WX-Series outperform Intel® Xeon® W-3400 series in architectural worklows[1].

Agisoft Metashape[1]

- Up to 28%
- Up to 24%

Corona Render[1]

- Up to 46%
- Up to 20%

- ■ AMD Ryzen™ Threadripper™ PRO 5995WX (64 Cores)
- ■ AMD Ryzen™ Threadripper™ PRO 5975WX (32 Cores)
- ■ Intel® Xeon® w9-3495X (56 Cores)
- ■ Intel® Xeon® w9-3475X (36 Cores)

AMD

AMD PRO TECHNOLOGIES

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AMD PRO SECURITY FEATURES

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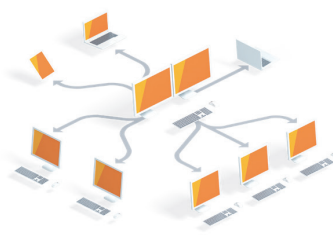
- Remotely update and repair networked devices
- Monitor, restore, and upgrade systems
- Fix a wide range of client issues in-band and out-of-band

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
- Long term reliability

MODEL SPECIFICATIONS

Model	Cores/ Threads	Boost[2]/Base Frequency	L3 Cache	Memory Channels	TDP	AMD PRO Technologies
AMD Ryzen™ Threadripper™ PRO 5995WX	64 / 128	Up to 4.5GHz / 2.7GHz	256MB	8	280W	✓
AMD Ryzen™ Threadripper™ PRO 5975WX	32 / 64	Up to 4.5GHz / 3.6GHz	128MB	8	280W	✓
AMD Ryzen™ Threadripper™ PRO 5965WX	24/48	Up to 4.5GHz / 3.8GHz	128MB	8	280W	✓
AMD Ryzen™ Threadripper™ PRO 5955WX	16 / 32	Up to 4.5GHz / 4.0GHz	64MB	8	280W	✓
AMD Ryzen™ Threadripper™ PRO 5945WX	12 / 24	Up to 4.5GHz / 4.1GHz	64MB	8	280W	✓

FOOTNOTES:

1. Based on AMD performance lab testing as of January July, 2023 using the SPEC Workstation 3.1 Media and Entertainment metric, SPEC Workstation 3.1 Product Development PTC Creo subset metric, SPEC Workstation 3.1 Life Sciences overall metric, SPEC Workstation 3.1 Financial Services overall metric, SPEC Workstation 3.1 Energy overall metric, the V-Ray CPU performance benchmark, the PugetBench for Adobe AfterEffects v0.95.7 benchmark, the PugetBench for Premiere Pro v0.98.0 benchmark, the SPECapc Maya 2023 CPU composite metric, the Unreal Engine 5.1 compilation benchmark, the Chromium Compilation 115.0.5740 benchmark, the SPECapc for Solidworks 2022 CPU composite metric, the Keyshot CPU rendering benchmark, the Puget Metashape total Processing time (Rock Model) benchmark, and the Corona rendering (Rays/Sec) benchmark, to compare the performance of AMD Ryzen Threadripper PRO 5995WX, 5975WX, 5965WX, 5955WX, 5945WX processors in reference systems configured with 8x64GB DDR4, NVIDIA Quadro RTX A5000, 1TB SSD, Win 11 vs. a similarly configured BOXX workstation with Intel Xeon w9-3495X, w9-3475X, w7-3455X, w5-3435X, w5-3425X, w7-2495X, w7-2465X processors Workstation manufacturers may vary configurations, yielding different results. Results may vary. CGP-45

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

AMD