



AMD THREADRIPPER PRO

DESIGN. BUILD. ACCELERATE.

ON THE ULTIMATE
WORKSTATION
PROCESSOR

Demanding professional workstation users rely on a variety of applications in their workflow, each with different compute requirements that, when properly addressed, yield improved performance and productivity. AMD Ryzen™ Threadripper™ PRO 5000 WX-Series processors build on battle-tested performance and capability to enable artists, architects, and engineers with the ability to optimize their professional workstation experience by addressing common lightly threaded and multi-threaded bottlenecks. Now featuring enhanced max boost frequencies¹ across the entire stack and up to 26 more cores than the competing workstation processor.

This unique, full-spectrum compute capability, combined with high memory capacity/bandwidth and abundant PCIe® 4.0 lanes can help yield reduced render times, more creative iterations, rapid simulation solving, quick assembly rebuilds, and smooth interactivity with 3D assets.

**128 PCIe®
4.0 LANES**

FOR ADVANCED GPUs
AND STORAGE

**UP TO 2TB
OF MEMORY**

TO TACKLE THE MOST
DEMANDING PROJECTS

**FULL-SPECTRUM
COMPUTE CAPABILITY**

FOR LIGHTLY THREADED AND
MULTI-THREADED TASKS

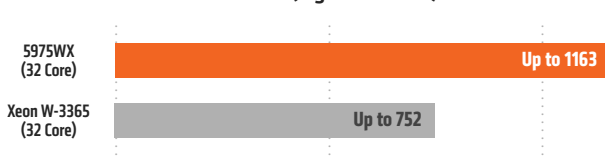
**AMD PRO
TECHNOLOGIES**

TO HELP WITH DATA PROTECTION
AND MANAGEABILITY

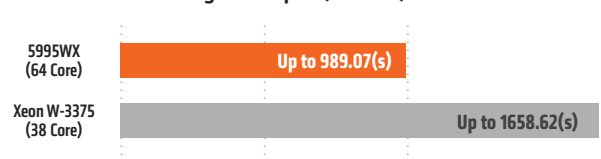
THE RIGHT TOOL FOR THE JOB

With each professional application demanding a unique set of compute requirements, AMD Ryzen™ Threadripper™ PRO 5000 WX-Series processors help alleviate productivity bottlenecks with leadership full-spectrum performance available in a simplified product stack. Whether you want to streamline CAD design tasks, reduce simulation solve times, or accelerate final frame rendering, AMD Ryzen™ Threadripper™ PRO 5000 WX-Series processors offer an ideal solution for your specific application and workflow.

Adobe After Effects (higher is better)²



Unreal Engine Compile (seconds)⁴



Chaos Group V-Ray (higher is better)³



AMD Ryzen™ Threadripper™ PRO Intel



AMD PRO TECHNOLOGIES

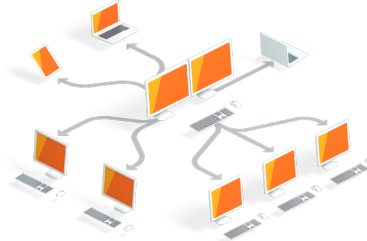
AMD PRO technologies provide layers of security features, seamless manageability, and reliable longevity so you can work confidently and securely. AMD innovations go beyond pure processing speed because today's modern workplace needs every possible advantage.

AMD PRO SECURITY FEATURES



- Designed from the ground up with security features as a priority
- An integrated security processor helps protect confidentiality and integrity of data
- AMD Shadow Stack, for a secure workstation experience

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 ¹ /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	✓

¹Max 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. **GGP-150**

²Based on AMD Labs testing as of January 31, 2022 using the Puget Systems Adobe After Effects CC benchmark test to compare the Ryzen™ Threadripper™ PRO 5975WX reference system configured with 8x32GB DDR4, NVIDIA Quadro RTX A5000, 1TB SSD, Win 11 vs. a similarly configured BOXX APEXX4 workstation with an Intel® Xeon® W-3365. Results may vary. **GGP-39**

³Based on AMD Labs testing as of January 31, 2022, using the Chaos V-Ray v5 (Update 1.1) benchmark tool to measure CPU rendering performance of an AMD Ryzen™ Threadripper™ PRO 5995WX reference system configured with 8x32GB DDR4, NVIDIA Quadro RTX A5000, 1TB SSD, Win 11 vs. a similarly configured BOXX APEXX4 workstation with an Intel® Xeon® W-3375. Results may vary. **GGP-05**

⁴Based on AMD performance lab testing as of January 31, 2022 using the Unreal Engine 4.23 compile performance test to compare the performance of AMD Ryzen™ Threadripper™ PRO 5995WX reference system configured with 8x32GB DDR4, NVIDIA Quadro RTX A5000, 1TB SSD, Win 11 vs. a similarly configured BOXX APEXX4 workstation with an Intel® Xeon® W-3375 processor. Results may vary. **GGP-01**