

# AMD THREADRIPPER PRO

## DESIGN. BUILD. ACCELERATE. THE ULTIMATE WORKSTATION PROCESSOR FOR ARCHITECTS

Large datasets, complex visualizations and tight deadlines are common in the architectural industry. Architects and engineers require a versatile workstation processor capable of addressing the different compute requirements of their key workflow applications. AMD Ryzen™ Threadripper™ PRO Processors offer the best of both worlds, now with enhanced boost frequencies for lightly threaded 3D design tasks, up to 64 cores for multithreaded rendering and eight memory channels to help take on the most complex projects.

Additionally, AMD Ryzen™ Threadripper™ PRO Processors feature 128 PCIe 4.0® lanes, support for up to 2TB of memory and AMD PRO technologies for peak professional productivity.



### 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 LIGHTY-THREADED AND  
MULTI-THREADED TASKS

### AMD PRO TECHNOLOGIES

TO HELP WITH DATA PROTECTION  
AND MANAGEABILITY

## THE RIGHT TOOL FOR THE JOB

AMD Ryzen™ Threadripper™ PRO Processors outperform the competition in 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 **Autodesk Revit** and up to **64 cores** for generating photorealistic renderings and animation with popular render engines like **Chaos V-Ray**.

Chaos Group V-Ray (Higher Is Better)<sup>1</sup>



Autodesk Revit RFO Model Creation (Seconds)<sup>2</sup>



AMD Ryzen™ Threadripper™ PRO

Intel Xeon

# AMD PRO TECHNOLOGIES

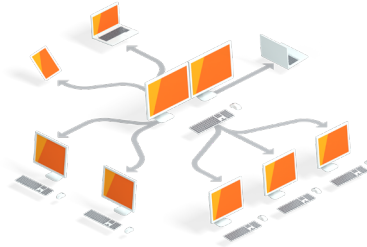
AMD PRO technologies provides layers of security features, seamless manageability, and reliable longevity so you can work confidently and securely. AMD innovations go beyond pure processing speed because today's modern workplace needs every possible advantage.

## AMD PRO SECURITY 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 <sup>3</sup> /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	✓

1. Based 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. CCP-05  
 2. Based on AMD performance lab testing on January 31, 2022, using the Revit RFO model creation benchmark to compare performance of AMD Ryzen™ Threadripper™ PRO 5000WX-Series reference systems configured with 8x32GB DDR4, NVIDIA Quadro RTX A5000, 1TB SSD, Win 11 vs. five similarly configured BOXX APEXX4 workstations with Intel® Xeon® W-3300 series processors. Results may vary. CCP-18  
 3. 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.