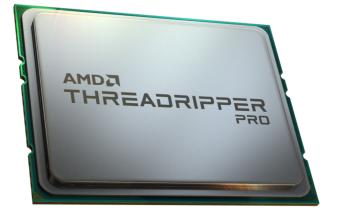# AMD THREADRIPPER PRO

THE ULTIMATE PROCESSOR FOR ARCHITECTS

THE ULTIMATE PROCESSOR FOR THE PROFESSIONAL WORKSTATION

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 with high frequency cores 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 unmatched professional productivity.

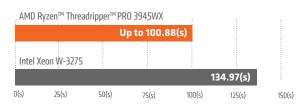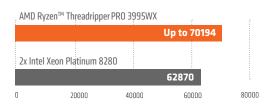| 128 PCIe® 4.0 LANES	8 MEMORY CHANNELS	FULL-SPECTRUM COMPUTE CAPABILITY	AMD PRO TECHNOLOGIES
FOR NEXT-GEN GPUS AND STORAGE	TO TACKLE THE MOST DEMANDING PROJECTS	FOR LIGHTY-THREADED AND MULTI-THREADED TASKS	TO HELP WITH DATA PROTECTION AND MANAGEABILITY

THE RIGHT TOOL FOR THE JOB

AMD Ryzen™ Threadripper™ PRO Processors outperform the competition in both lightly threaded and multi-threaded workloads.[3] 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 Group V-Ray.**

Autodesk Revit RFO Model Creation (Seconds)[3]

AMD Ryzen™ Threadripper™ PRO 3945WX
Up to 100.88(s)

Intel Xeon W-3275
134.97(s)

0(s) 25(s) 50(s) 75(s) 100(s) 125(s) 150(s)

Chaos Group V-Ray (Higher is Better)[2]

AMD Ryzen™ Threadripper PRO 3995WX
Up to 70194

2x Intel Xeon Platinum 8280
62870

0 20000 40000 60000 80000

AMD

AMD PRO TECHNOLOGIES

AMD PRO technologies, enabled on all PRO processors from AMD, help businesses and IT managers address challenges they face every day. From **SECURITY** features to **MANAGEABILITY** tools as well as providing STABILITY, RELIABLITY & FLEXIBILITY, AMD PRO technologies has got you covered.

AMD PRO SECURITY

- 18 months of planned software stability
- 24 months of planned availability
- Enterprise-grade quality assurance
- Feature consistency across all models

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	Total Cache	TDP	AMD PRO Technologies
AMD Ryzen™ Threadripper™ PRO 3995WX	64 / 128	Up to 4.2GHz / 2.7GHz	256MB	280W	✓
AMD Ryzen™ Threadripper™ PRO 3975WX	32 / 64	Up to 4.2GHz / 3.5GHz	128MB	280W	✓
AMD Ryzen™ Threadripper™ PRO 3955WX	16 / 32	Up to 4.3GHz / 3.9GHz	64MB	280W	✓

1. 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

2. Based on testing by AMD performance labs on June 8, 2020 using the Chaos Group V-Ray benchmark to test the performance of the Ryzen Threadripper PRO 3995WX reference system versus two (2) Intel Xeon Platinum 8280 processors. Results may vary. CPP-32

3. CPP-70 Based on AMD performance lab testing on June 8, 2020 using the Autodesk Revit RFO v3.2 2020 test to compare the performance of AMD Ryzen Threadripper PRO 3945WX reference system vs. Intel Xeon W-3275 processor. Results may vary.

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