

# Edit, render, and create faster with the HP Z2 Mini G1a

Handle complex projects smoothly, accelerate rendering, and maximize the impact of Al with a workstation designed for heavy creative workloads

For creators who can't afford slowdowns, the HP Z2 Mini G1a with AMD Ryzen™ AI Max+ PRO 395 and Radeon™ Unified Memory graphics delivers exceptional responsiveness, making demanding renders smoother to keep projects on track.

Up to 64% better CPU multi-core performance

real-time ray tracing workloads and enhance realistic

lighting, shadows, and reflection efforts.

38.663

CPU Multi-Core - median | Higher is better

Cinebench R23

#### Handle complex projects smoothly

Cinebench R23 evaluates how quickly a CPU can render a 3D scene. 1 Higher multi-core scores indicate a system that is better able to handle resource-intensive

HP Z2 Mini G1a with AMD Ryzen AI Max+ PRO 395

Apple Mac mini with Apple M4 Pro

Apple Mac Studio with Apple M2 Ultra

#### HP Z2 Mini G1a with AMD Ryzen Al Max+ PRO 395 3D modeling and video editing workloads. Apple® Mac mini® with Apple M4 Pro Apple Mac Studio® with Apple M2 Ultra 29,014 Accelerate rendering **Up to 47% better rendering performance** Chaos V-Ray CPU Benchmark Chaos V-Ray evaluates rendering speed with V-RAY 6 engines powered by RTX and CUDA technologies.<sup>2</sup> Overall score | Higher is better Higher scores indicate a system that can accelerate

40,754

37,632

## Maximize the impact of Al

Geekbench AI evaluates machine learning capabilities using computer vision workloads.<sup>3</sup> The precision levels reflect different requirements for AI models. For creative endeavors, higher scores indicate a system that is better able to enhance low-res images into highres images, aid in background removal, and speed 3D modeling or video effects.



### **Up to 3.2 times the AI performance** Geekbench AI CPU - Intel® OpenVINO™ framework Overall scores | Higher is better Single precision (FP32) score HP Z2 Mini G1a with AMD Ryzen AI Max+ PRO 395 7,114 Apple Mac mini with Apple M4 Pro 5,789 Apple Mac Studio with Apple M2 Ultra 4,590 Quantized score - median HP Z2 Mini G1a with AMD Ryzen AI Max+ PRO 395 Apple Mac mini with Apple M4 Pro 6,994 Apple Mac Studio with Apple M2 Ultra 5,661

#### To learn more, read the *report*.



- TechSpot, "MAXON Cinebench R23," accessed September 24, 2025, https://www.techspot.com/downloads/7579-cinebench-r23.html.
  Chaos, "How fast is V-Ray on your hardware?" accessed September 23, 2025, https://www.chaos.com/vray/bench $mark?srsltid = AfmBOooSmUTW7VCzZdD-wc\_w4egZ-scliEPgjPtJz3JuaOuSZvSKUV3QLine (String and String an$
- 3 Geekbench, "Introducing Geekbench AI," accessed September 23, 2025, https://www.geekbench.com/ai/.