



HP Elite SFF 805 G9 Desktop PC: Maximize performance while using less power

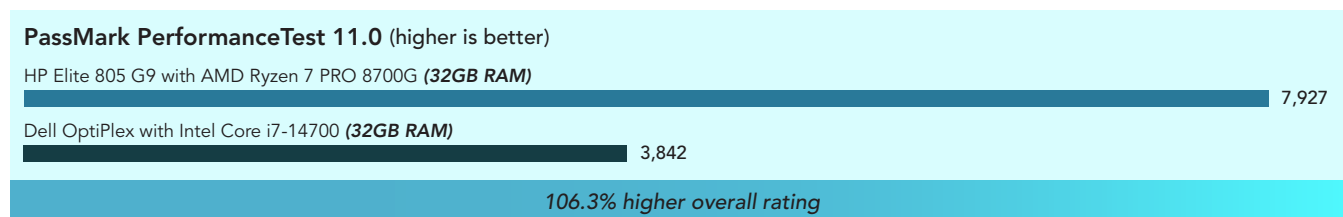
We measured general, graphics, and AI performance and monitored power consumption while running a resource-intensive workload on an HP Elite SFF 805 G9 Desktop PC powered by an AMD Ryzen™ 7 PRO 8700G processor and a Dell™ OptiPlex™ SFF Plus Desktop powered by an Intel® vPro® with Intel Core™ i7-14700 processor

Both small form factor (SFF) desktops contained 32 GB of RAM and 512 GB of SSD storage. 32 GB of RAM is appropriate for engineers, scientists, entry-level multimedia users, and useful for AI integration.



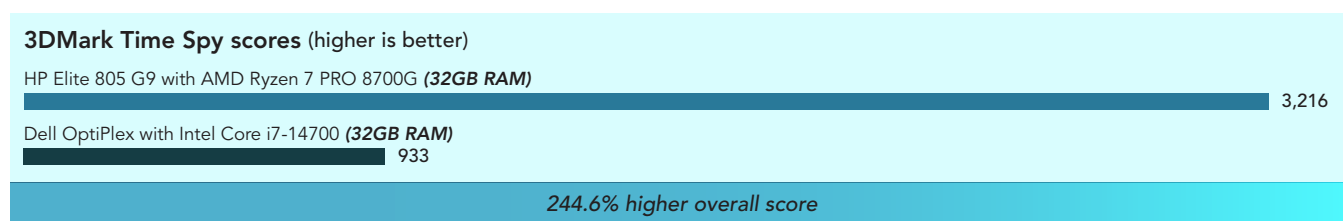
Enhance everyday experiences

PassMark PerformanceTest 11 combines CPU, 2D and 3D graphics, storage, and memory test performance metrics into an overall PassMark rating.¹



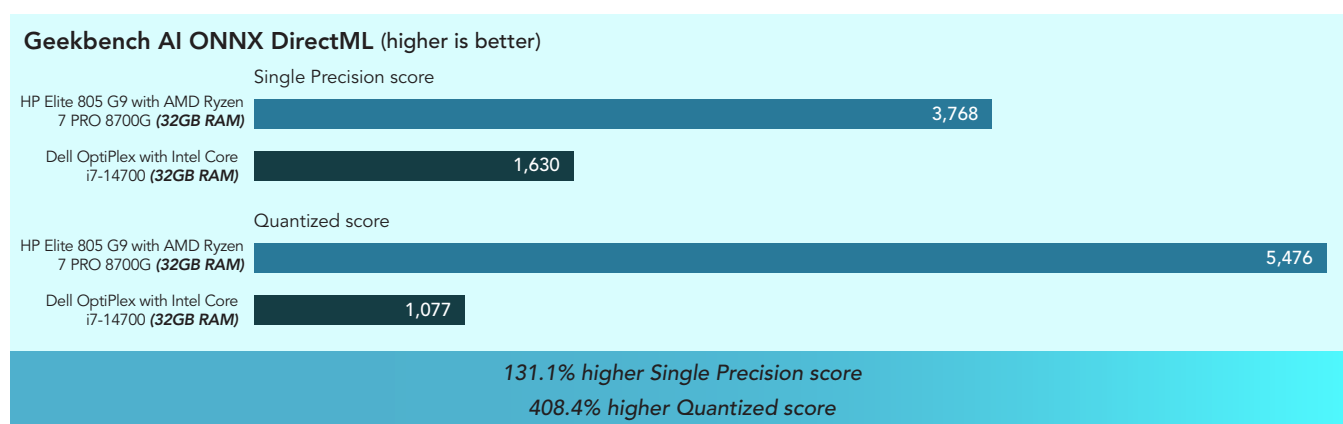
Speed complex tasks

While your workforce is probably not playing games on these systems, better 3DMark® Time Spy scores can translate to faster response times from graphics-intensive financial analysis programs, demanding scientific simulations, and product design and development software.



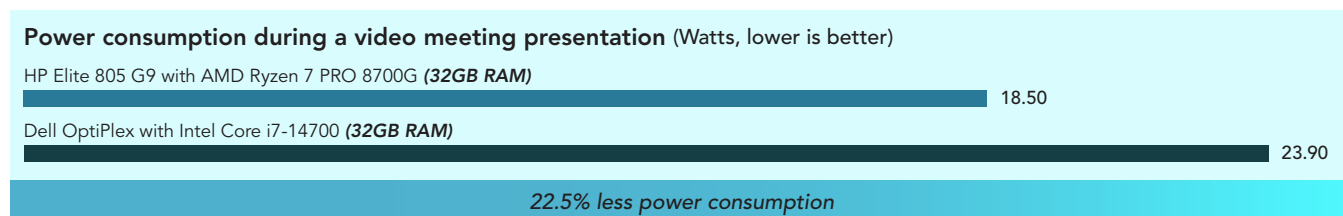
Accelerate decision-making

Geekbench AI uses the predictions computed by a single-precision float32 model and a quantized score utilizing faster int8 precision to evaluate real-world AI performance.² The Single Precision score reports float32 precision and the Quantized score reports int8 precision.³ In our testing, we used the Open Neural Network Exchange (ONNX) AI framework and DirectML AI backend for machine learning on Windows.



Reduce electricity use and costs

Investing in systems that use less power during resource-intensive tasks can help your company save money and reduce your carbon footprint. Such tasks include modeling 3D figures, rendering an MRI scan, running a complex financial algorithm, and, as we did for this test, sharing material during a 30-minute video call with four participants.



- 1 PassMark Software, "PerformanceTest," accessed September 27, 2024, <https://www.passmark.com/products/performancetest/index.php>.
- 2 Geekbench, "Geekbench AI 1.0," accessed September 27, 2024, <https://www.geekbench.com/blog/2024/08/geekbench-ai/>.
- 3 Geekbench, "Geekbench AI workloads," accessed September 29, 2024, <https://www.geekbench.com/doc/geekbench-ai-workloads.pdf>.

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