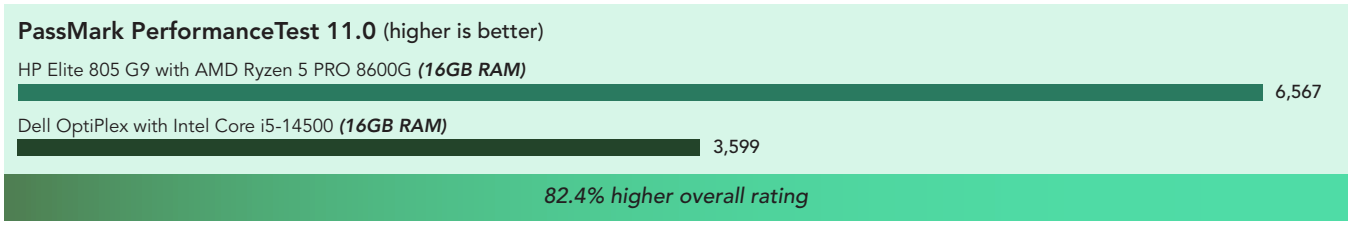
Increase productivity and consume less energy with an HP Elite SFF 805 G9 Desktop PC

We measured general, graphics, and AI performance and monitored energy consumption while running a resource-intensive workload on an HP Elite SFF 805 G9 Desktop PC powered by an AMD Ryzen™ 5 PRO 8600G processor and a Dell™ OptiPlex™ SFF Plus Desktop powered by an Intel® vPro® with Intel Core™ i5-14500 processor

Both small form factor (SFF) desktops contained 16 GB of RAM and 512 GB of SSD storage. 16 GB of RAM is adequate for standard business professionals who tend to have several programs open and running.

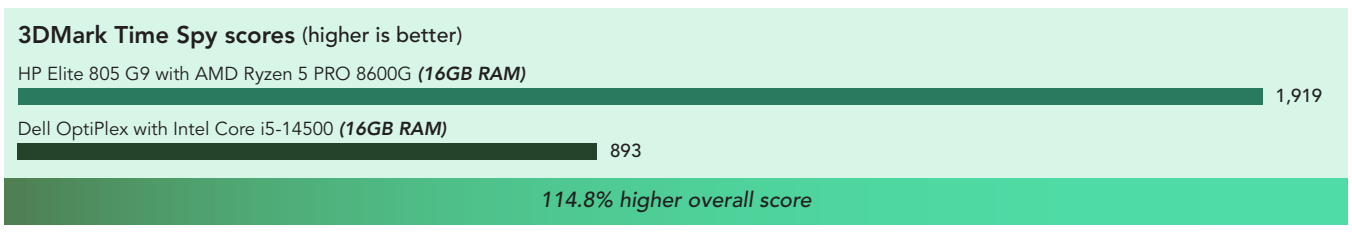
Boost day-to-day performance

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



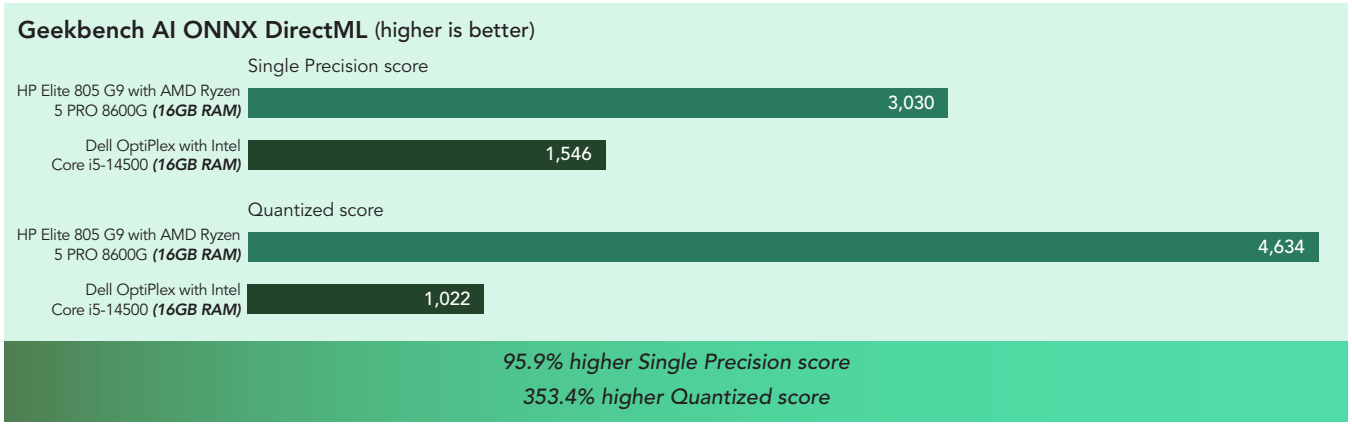
Power graphics-heavy workloads

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



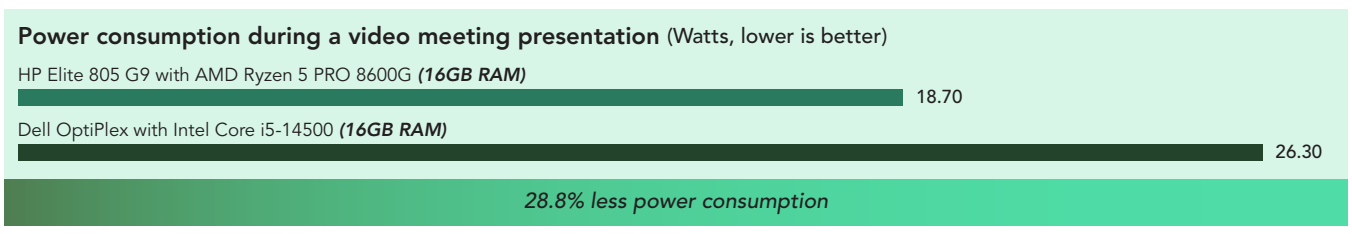
Run AI and ML applications more efficiently

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.



Consume less energy

Decreasing the amount of energy your systems use 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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