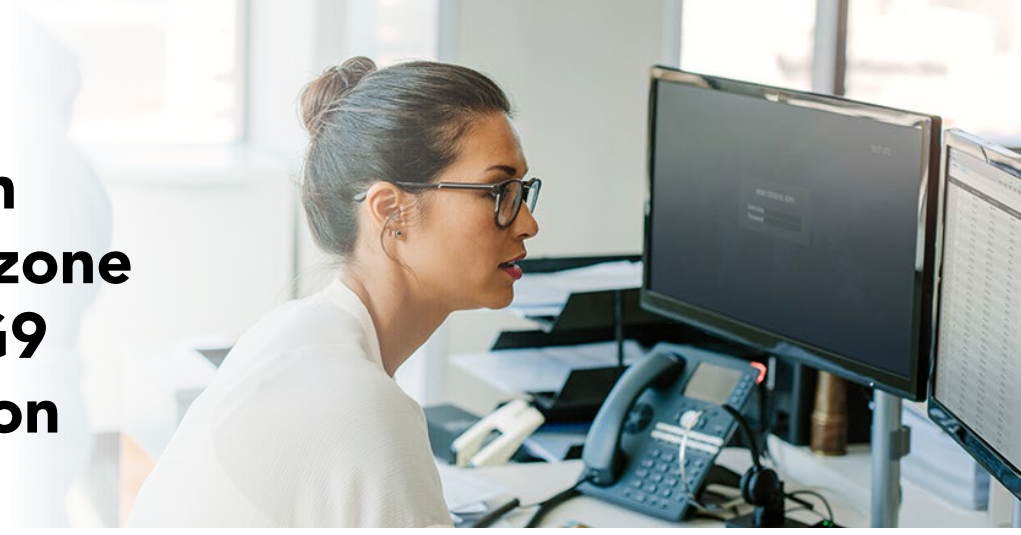


Get in and stay in the productivity zone with the HP Z2 G9 Tower Workstation



For many creative and technical professionals, performance is the number one consideration when shopping for tower workstations. The HP Z2 G9 Tower Workstation comes with three performance mode settings: High Performance Mode, Performance Mode, and Quiet Mode. But what kinds of CPU performance gains can users expect from an HP Z2 G9 Tower Workstation set to High Performance Mode? And does using High Performance Mode mean they sacrifice a quiet workplace when running multi-threaded applications?



The first evaluation

We compared the HP Z2 G9 in High Performance Mode to a Dell Precision® 3660 in out-of-box performance optimization. Both tower workstations contained identical Intel® Core™ i9-13900 processors and NVIDIA® RTX™ A5000 graphics.

The second evaluation

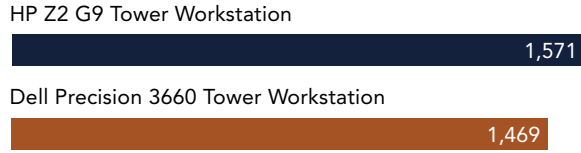
We upped the ante and compared the HP Z2 G9 results to those of a Dell Precision 5860 with an Intel Xeon® w5-2455X processor and identical GPU in Ultra Performance Mode.

Bump up 2D and 3D design projects

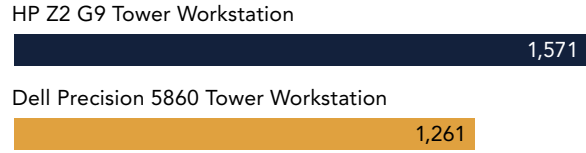
Cinebench 2024

Multi-core score | Higher is better

6.9% better multi-core score



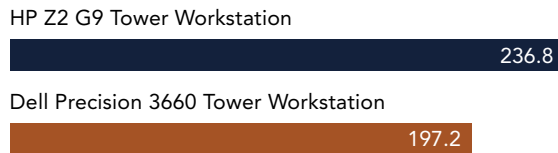
24.5% better multi-core score



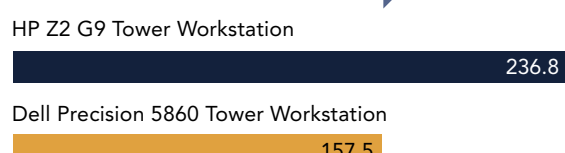
PugetBench for After Effects

Multi-core score | Higher is better

20.0% higher multi-core score



50.3% higher multi-core score

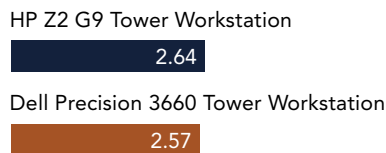


Render and manipulate scenes at greater speeds

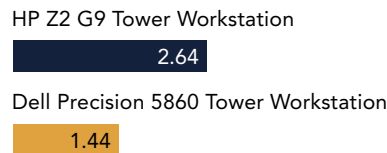
SPECapc for Solidworks 2022

Composite CPU score | Higher is better

2.7% higher composite CPU score



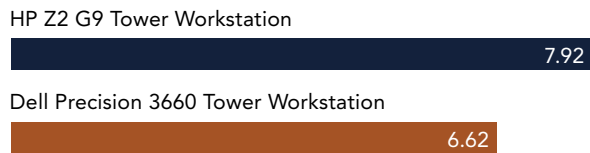
83.3% higher composite CPU score



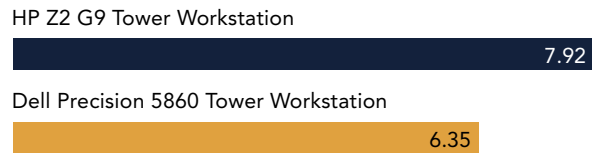
SPECapc for Maya 2024

Composite CPU score | Higher is better

19.6% higher composite CPU score



24.7% higher composite CPU score



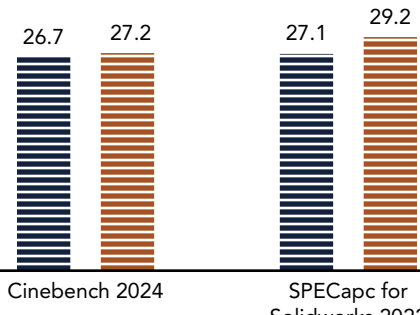
For testing context, normal breathing is 10dBA, quiet library noises are 40dBA, and the ambient room noise in our test environment was 23.3dBA, which is the equivalent of hearing someone whisper from five feet away.¹

Hear less noise under intense use

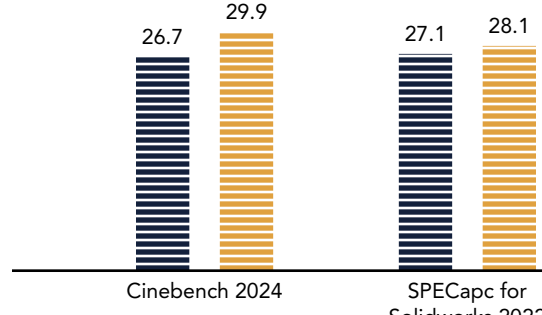
Acoustic readings while running a workload

dBA | Lower is better

HP Z2 G9 Tower Workstation | Dell Precision 3660 Tower Workstation



HP Z2 G9 Tower Workstation | Dell Precision 5860 Tower Workstation



Learn more at <https://facts.pt/PZH1hc2>



1. Audicus, "How loud are everyday sounds — in decibels?" Accessed February 5, 2024, <https://www.audicus.com/noise-levels-of-everyday-sounds/>.

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