



Executive summary

Speed your productivity applications by upgrading to a workstation with Windows 10 Pro for Workstations and Intel Xeon W processors

The newer workstation we tested could save you valuable time on common activities

No one likes using a slow computer, but when you work with large amounts of data—as do those who work in the computer-assisted design, video production, and data science fields—high performance is critical.

At the request of Microsoft, we performed hands-on testing to quantify the improvements users could enjoy by upgrading from a previous-generation PC to a current workstation powered by Intel® Xeon® W processors and Windows 10 Pro for Workstations.

We carried out tasks in Autodesk® Revit and Adobe® Premiere® Pro and ran benchmarks that test AI performance and overall CPU performance. With Intel Xeon W processors and Windows 10 Pro for Workstations, the current workstation dramatically cut the time needed to get the job done.

*Current workstation running Windows 10 Pro for Workstations vs. previous-generation PC running Windows 10 Pro

**39%
less time**



to render an Autodesk Revit model*

**31%
less time**



to export an Adobe Premiere Pro timeline*

**Process
up to 4.2x**



as many images/second on machine learning workflows*

**Up to 74%
higher CPU
performance**



on SPECworkstation 3 benchmark*

We tested two systems from the same vendor:

- A previous-generation PC powered by an Intel Core™ i7 processor and running Windows 10 Pro
- A current workstation powered by an Intel Xeon W-2245 processor and running Windows 10 Pro for Workstations

In Autodesk Revit with V-Ray Next, the current workstation cut the time to...



Render a model by 6 minutes and 9 seconds,
a savings of **39 percent**

Launch the program by 1 minute and 14 seconds,
a savings of **75 percent**

In Adobe Premiere Pro, the current workstation cut the time to...



Export a timeline by 2 minutes and 14 seconds, a savings
of **31 percent**

Launch the program by 14 seconds, a savings of
48 percent

On the machine learning benchmark AIXPRT, the current workstation...



**Let us process up to 4.2 times as many
images per second**

Reduced latency by up to 62 percent

The current workstation also achieved higher SPECworkstation 3 CPU performance scores, with improvements as high as 74 percent. To learn more about the performance boosts you could experience by shifting your productivity applications from an older PC to a workstation powered by an Intel Xeon W-2245 processor and running Windows 10 Pro for Workstations, [read our complete report](#).

Read the report at <http://facts.pt/lup3vtk>



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