



## Executive summary

# Upgrade to a mobile workstation with Windows 10 Pro for Workstations and an Intel Xeon E processor and save time on compute-intensive activities

A newer workstation outperformed a previous-generation workstation in our testing

Those whose daily routines require not only using compute-intensive applications but also working from a variety of locations often rely on powerful mobile workstations. If your mobile workstation is a couple of years old, though, you might be experiencing delays that affect your productivity.

At the request of Microsoft, we performed hands-on testing to quantify the improvements users could enjoy by upgrading from a previous-generation system to a current mobile workstation with Windows 10 Pro for Workstations and an Intel® Xeon® E processor. We carried out a series of tasks in Adobe® Premiere® Pro and Autodesk® Revit and also tested AI and overall CPU performance.

With Windows 10 Pro for Workstations and Intel Xeon E processors, the current workstation decreased the time to complete common compute-intensive activities by as much as 68 percent.

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

**68%**  
**less time**



to launch Autodesk Revit with V-Ray Next\*

**35%**  
**less time**



to export an Adobe Premiere Pro timeline\*

**Process up to 36% more images/second**



on machine learning workflows\*

**Up to 64% higher CPU performance**



on the SPECworkstation 3 benchmark\*

We tested two systems from the same vendor:

- A previous-generation mobile workstation running Windows 10 Pro and powered by an Intel Core™ i7 processor
- A current mobile workstation running Windows 10 Pro for Workstations and powered by an Intel Xeon E-2286M processor

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



**Export a timeline** by 3 minutes and 58 seconds, **a savings of 35 percent**

**Launch the program** by 44 seconds, **a savings of 67 percent**

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



**Render a model** by 6 minutes and 6 seconds, **a savings of 31 percent**

**Launch the program** by 1 minute and 9 seconds, **a savings of 68 percent**

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



**Processed up to 36 percent more images per second**

**Had up to 26 percent less latency**

The current workstation also achieved higher SPECworkstation 3 CPU performance scores, with advantages as high as 64 percent. To learn more about the performance boosts you could experience by shifting your productivity applications to a new mobile workstation powered by an Intel Xeon E processor and running Windows 10 Pro for Workstations, [read our complete report](#).

Read the report at <http://facts.pt/v1bednB> ▶



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