Better enable employee productivity on the Dell Latitude 7300 Business Laptop equipped with an Intel Core i7-8665U processor

Compared to the HP EliteBook 735 G6 Notebook PC and the Lenovo ThinkPad x395 Laptop, both powered by AMD Ryzen 7 PRO 3700U processors

Whether your organization has multiple offices and a mobile workforce or is asking employees to work from home in response to current events, powerful business laptops can help limit disruption and keep everyone productive. So, how does the 13-inch Dell Latitude™ 7300 Business Laptop powered by an Intel® Core™ i7 processor handle day-to-day tasks compared to two business laptops powered by AMD Ryzen™ processors?

To find out, we measured the collaboration and media creation capabilities of the Dell Latitude 7300 Business Laptop equipped with an Intel Core i7-8665U processor. Next, we compared these hands-on test results to those from the HP EliteBook 735 G6 Notebook PC and the Lenovo® ThinkPad® x395 Laptop—both powered by AMD Ryzen 7 PRO 3700U processors. To gauge productivity and determine battery life, we also compared the business laptops' scores in three benchmarks that reflect real business worker usage and found that the Dell Latitude 7300 Business Laptop equipped with an Intel Core i7-8665U processor delivered higher scores and longer battery life than either competitor.

The wins cited on this page represent only some of our hands-on testing results. Continue reading to learn about the business laptop configurations we tested and the real-world results that matter to you.

Productivity

- Realize up to 95% better performance on day-to-day browser tasks based on WebXPRT 3 overall scores

- Work unplugged between four and five hours longer based on MobileMark 2018 battery life results

Collaboration

- Pause and resume your work in up to 67% less time

- Catch up on email in up to 43% less time

- Crunch spreadsheet numbers in up to 70% less time

- Get a presentation ready to send as a PDF in up to 52% less time

Media creation

- Reduce image file sizes in up to 39% less time

- Stitch together photos in up to 40% less time

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June 2020

Testing overview

Your organization deserves business laptops that work as hard as you do. Manufacturer specs give you processor, memory, and storage info—but how do you know if an impressive resume translates to added value in the real world? That's where we come in. Our hands-on testing and benchmark results reflect real-world environments using real applications, data sets, and business user workloads. The laptops in all three solutions included business-targeted processors, 8 GB of RAM, and 256GB SSDs:

- **Dell/Intel vPro solution:** The Dell Latitude 7300 Business Laptop, powered by an Intel Core i7-8665U processor.

- **HP/AMD PRO solution:** The HP EliteBook 735 G6 Notebook PC, powered by an AMD Ryzen 7 PRO 3700U processor.

- **Lenovo/AMD PRO solution:** The Lenovo ThinkPad X395 Laptop, powered by an AMD Ryzen 7 PRO 3700U processor.

For the productivity and battery life tests, we ran the SYSmark® 2018, MobileMark® 2018, and WebXPRT 3 benchmarks—all use actual applications in real-world workloads that reflect business worker usage patterns—for overall comparison.[1,2,3] Then, we hand-timed how long it took each laptop to perform common office, collaboration, and content creation tasks, executing each task three times and using the median of the three runs in our comparisons. For a deeper dive into the individual results as well as our testing parameters and procedures, see the science behind this report.

Dell Latitude 7300 Business Laptop

This 13-inch notebook comes with SafeScreen, Dell's digital privacy filter designed to protect screens from prying eyes, and features optional Intel vPro platform technology, which enables authorized IT admins to remotely manage, diagnose, and update PCs as well as manage conference room capabilities.[4]

Productivity

The Dell Latitude 7300 Business Laptop, equipped with an Intel Core i7 vPro processor, came out on top in all three benchmark comparisons. You can find individual category and scenario scores in the science behind the report.

**Realize up to 89% better performance**
based on SYSmark 2018 overall scores

Dell Latitude 7300	1,375
HP EliteBook 735 G6	725
Lenovo ThinkPad X395	725
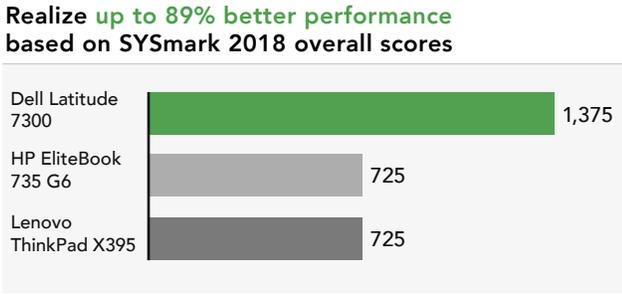
Figure 1: SYSmark 2018 benchmark overall scores. Higher is better. Source: Principled Technologies.

Realize up to 95% better performance
based on WebXPRT 3 overall scores

Dell Latitude 7300	209
HP EliteBook 735 G6	107
Lenovo ThinkPad X395	107
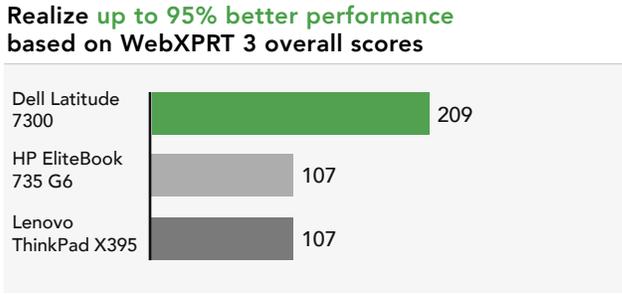
Figure 2: WebXPRT 3 benchmark overall scores. Higher is better. Source: Principled Technologies.

Realize up to 125% better performance
**based on MobileMark 2018 overall scores**

Dell Latitude 7300	1,000
HP EliteBook 735 G6	573
Lenovo ThinkPad X395	443
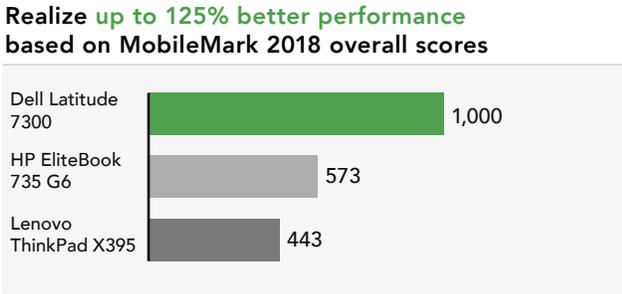
Figure 3: MobileMark 2018 benchmark overall scores. Higher is better. Source: Principled Technologies.

Realize up to 74% longer battery life
based on MobileMark 2018 battery life results

*Gain up to 4.8 hours*

Dell Latitude 7300	11:24
HP EliteBook 735 G6	6:33
Lenovo ThinkPad X395	7:09
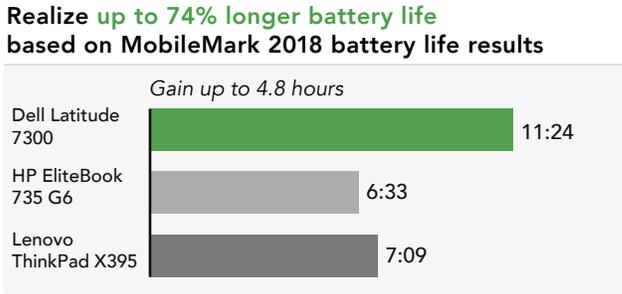
Figure 4: MobileMark 2018 battery life results. Time (hrs:min). Higher is better. Source: Principled Technologies.

Collaboration

The Dell Latitude 7300 Business Laptop led the pack in a variety of everyday office and collaboration tasks. Faster system response times enable employees to make the most of their work day.

Pause and resume your work in up to 67% less time   *Save up to 4.7 total seconds*

Dell Latitude 7300
HP EliteBook 735 G6
Lenovo ThinkPad X395

Put system to sleep:
Save up to 2.8 seconds

0.9s
2.7s
3.7s

Resume from sleep:
Save up to 1.9 seconds

1.4s
4.2s
3.3s
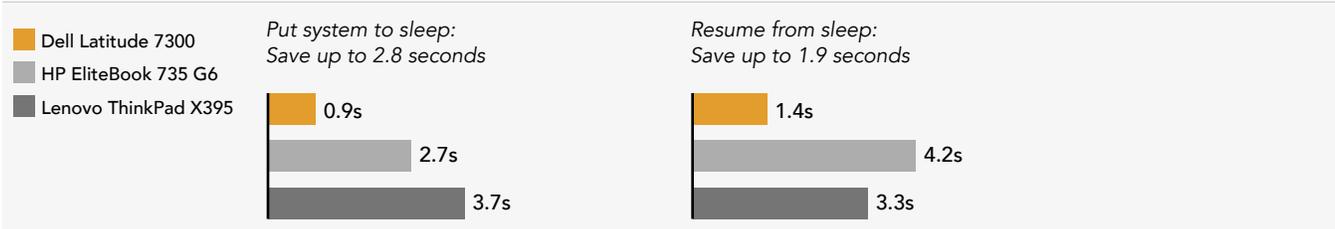
Figure 5: Putting a system to sleep and resuming from sleep. Time (sec). Lower is better. Source: Principled Technologies.

Catch up on email in up to 43% less time   *Save up to 5.6 total seconds*

Dell Latitude 7300
HP EliteBook 735 G6
Lenovo ThinkPad X395

Launch Microsoft Outlook:
Save up to 3.1 seconds

4.2s
7.3s
7.2s

Open video file attachment:
Save up to 1.5 seconds

2.0s
3.5s
2.8s

Open image file attachment:
Save up to 1.1 seconds

1.2s
2.2s
2.3s
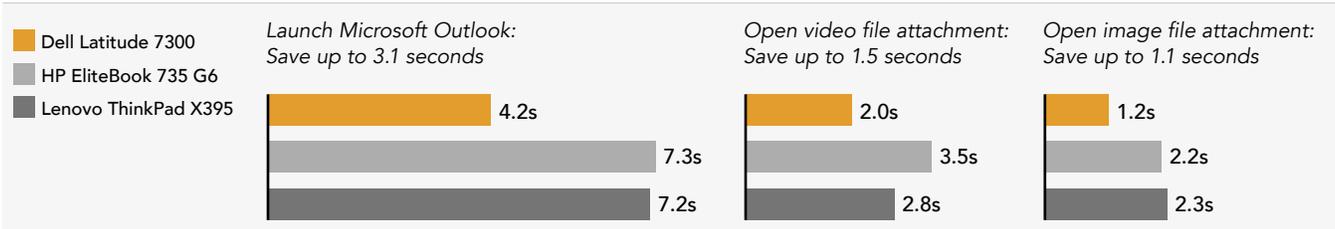
Figure 6: Launching Microsoft Outlook and opening video and image attachments Time (sec). Lower is better. Source: Principled Technologies.

Begin collaboration with teammates in up to 36% less time   *Save 3.5 seconds*

Dell Latitude 7300
HP EliteBook 735 G6
Lenovo ThinkPad X395

Launch Microsoft Teams:

6.0s
9.5s
9.4s
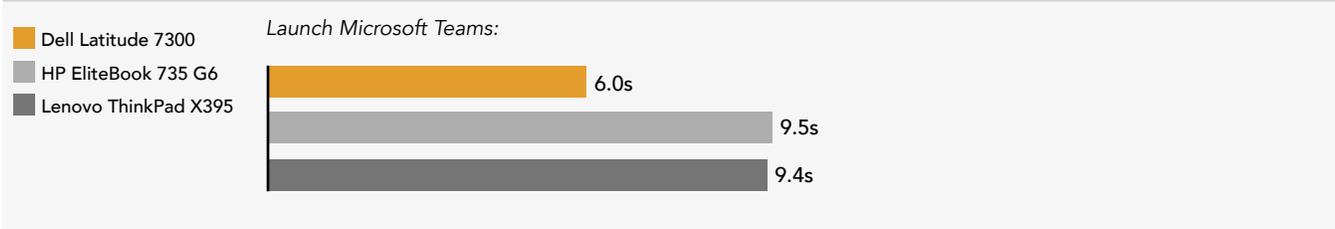
Figure 7: Launching Microsoft Teams. Time (sec). Lower is better. Source: Principled Technologies.

Update a Microsoft Word doc in up to 25% less time

Save up to 2.9 total seconds

■ Dell Latitude 7300
■ HP EliteBook 735 G6
■ Lenovo ThinkPad X395

Open a Microsoft Word doc:
Save up to 2.3 seconds

Dell Latitude 7300	7.3s
HP EliteBook 735 G6	8.1s
Lenovo ThinkPad X395	9.6s

Perform a global word replacement:
Save up to 0.6 seconds

|	
Dell Latitude 7300	1.2s
HP EliteBook 735 G6	1.7s
Lenovo ThinkPad X395	1.8s
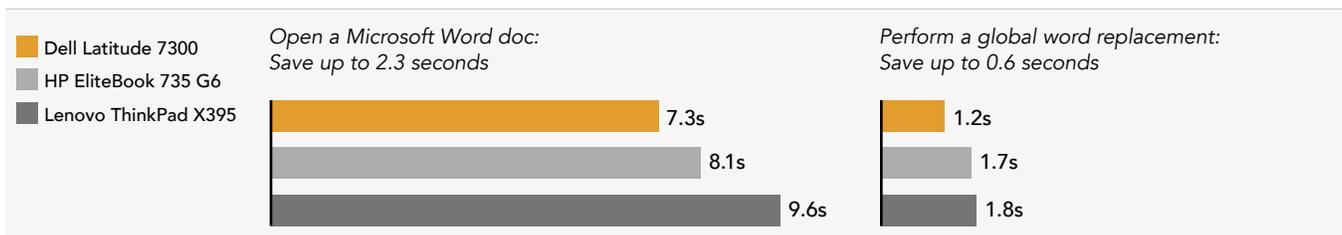
Figure 8: Opening Microsoft Word and performing a global word replacement. Time (sec). Lower is better.
Source: Principled Technologies.

Crunch spreadsheet numbers in up to 70% less time

Save up to 44.1 total seconds

■ Dell Latitude 7300
■ HP EliteBook 735 G6
■ Lenovo ThinkPad X395

Open Microsoft Excel spreadsheet:
Save up to 42.1 seconds

Dell Latitude 7300	15.6s
HP EliteBook 735 G6	53.1s
Lenovo ThinkPad X395	57.7s

Perform number crunch calculation:
Save up to 2.1 seconds

|	
Dell Latitude 7300	2.5s
HP EliteBook 735 G6	4.6s
Lenovo ThinkPad X395	4.5s
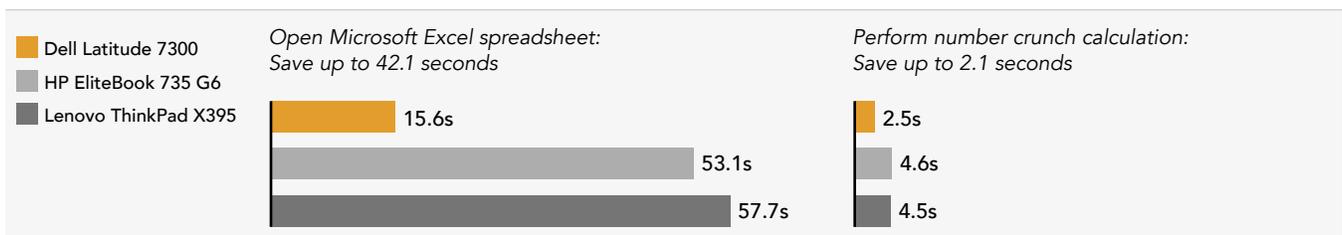
Figure 9: Opening Microsoft Excel and performing a large calculation. Time (sec). Lower is better.
Source: Principled Technologies.

Get a presentation ready to send as a PDF in up to 52% less time

Save up to 42.0 total seconds

■ Dell Latitude 7300
■ HP EliteBook 735 G6
■ Lenovo ThinkPad X395

Open Microsoft PowerPoint
deck: Save up to 36.6 seconds

Dell Latitude 7300	28.3s
HP EliteBook 735 G6	64.2s
Lenovo ThinkPad X395	64.9s

Export to PDF:
Save up to 5.4 seconds

|	
Dell Latitude 7300	9.0s
HP EliteBook 735 G6	14.2s
Lenovo ThinkPad X395	14.4s
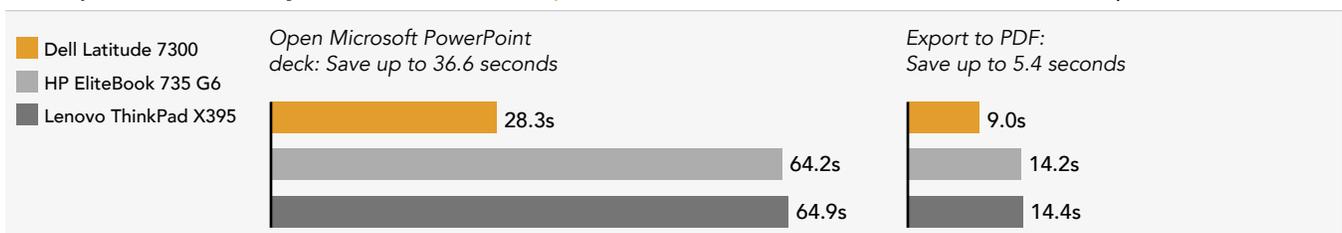
Figure 10: Opening a PowerPoint slide deck and exporting to PDF. Time (sec). Lower is better.
Source: Principled Technologies.

Gather and organize info in OneNote in up to 70% less time

Save up to 40.7 total seconds

■ Dell Latitude 7300
■ HP EliteBook 735 G6
■ Lenovo ThinkPad X395

Open Microsoft OneNote:
Save up to 1.0 seconds

Dell Latitude 7300	1.3s
HP EliteBook 735 G6	2.3s
Lenovo ThinkPad X395	2.2s

Insert a spreadsheet:
Save up to 39.8 seconds

Dell Latitude 7300	16.1s
HP EliteBook 735 G6	52.4s
Lenovo ThinkPad X395	55.9s
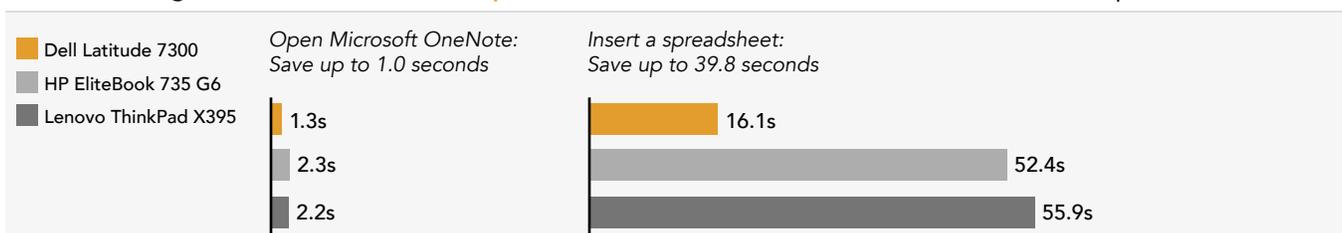
Figure 11: Opening OneNote and inserting a spreadsheet. Time (sec). Lower is better.
Source: Principled Technologies.

Media creation

The Dell Latitude 7300 Business Laptop completed all of our media creation tasks faster than either competitor. Faster response times here mean creative teams can crank out content with less waiting.

Put PDF text into Word for editing in up to 24% less time

Save up to 44.1 total seconds

Dell Latitude 7300
HP EliteBook 735 G6
Lenovo ThinkPad X395

Open Adobe® Acrobat® Reader:
Save up to 0.5 seconds

1.4s
1.8s
1.9s

Export PDF to Word:
Save up to 43.6 seconds

134.7s
177.8s
178.3s

Figure 12: Opening Adobe Acrobat Reader and exporting a PDF to Word. Time (sec). Lower is better.
Source: Principled Technologies.

Reduce image file sizes in up to 39% less time

Save up to 111.4 total seconds

Dell Latitude 7300
HP EliteBook 735 G6
Lenovo ThinkPad X395

Open Adobe Photoshop®:
Save up to 7.3 seconds

10.2s
17.5s
16.3s

Import and save RAW images to JPEG:
Save up to 104.1 seconds

162.3s
266.4s
251.1s
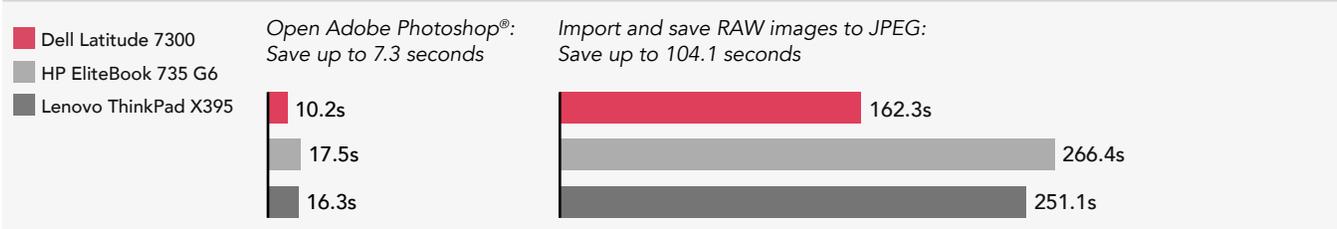
Figure 14: Opening Adobe Photoshop and importing and saving RAW images to JPEG. Time (sec). Lower is better.
Source: Principled Technologies.

Stitch together photos in up to 40% less time

Save up to 59.1 total seconds

Dell Latitude 7300
HP EliteBook 735 G6
Lenovo ThinkPad X395

Open Adobe Photoshop Lightroom®
Classic: Save up to 11.9 seconds

16.2s
28.1s
27.5s

Create a photo merge panorama:
*Save up to 47.2 seconds*

72.0s
119.2s
111.7s
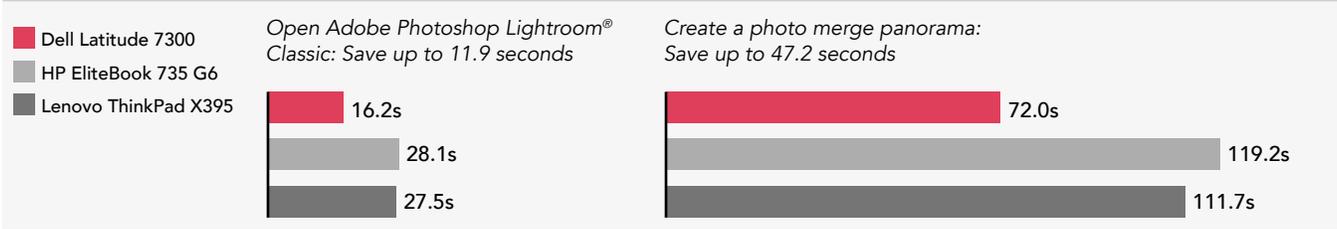
Figure 13: Opening Adobe Photoshop Lightroom Classic and creating a photo merge panorama. Time (sec).
Lower is better. Source: Principled Technologies.

Render 4K video in up to 6% less time

Save up to 16.9 total seconds

	Dell Latitude 7300
	HP EliteBook 735 G6
	Lenovo ThinkPad X395

Open Adobe Premiere Pro:
Save up to 2.7 seconds

15.2s
17.9s
16.4s

Render 4K video to H.264:
*Save up to 15.7 seconds*

221.4s
228.8s
237.1s
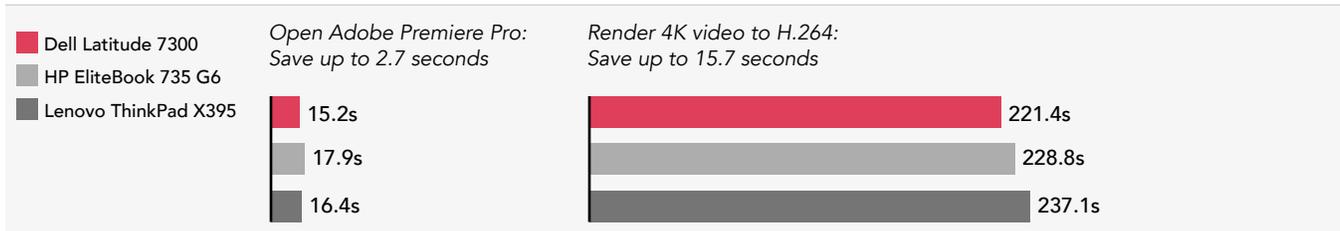
Figure 15: Opening Adobe Premiere Pro and rendering a 4K RED video file to H.264. Time (sec). Lower is better. Source: Principled Technologies.

Conclusion

Through our hands-on testing, we found that the Dell Latitude 7300 Business Laptop, powered by an Intel Core i7-8665U processor, lasted longer unplugged and delivered faster system response times on a variety of tasks than either the HP EliteBook 735 G6 Notebook PC or the Lenovo ThinkPad X395 Laptop, both powered by AMD Ryzen 7 PRO 3700U processors. The Dell Latitude 7300 also scored better overall in the SYSmark 2018, MobileMark 2018, and WebXPRT 3 benchmark comparisons. Your employees deserve business laptops that work as hard as they do, and these wins show the Dell Latitude 7300 could help them accomplish great work every day.

1   BAPCo. "SYSmark 2018," accessed June 3, 2020, https://bapco.com/products/sysmark-2018/.

2   BAPCo, "MobileMark 2018," accessed June 3, 2020, https://bapco.com/products/mobilemark-2018/.

3   Principled Technologies, "WebXPRT 3," accessed June 3, 2020, https://www.principledtechnologies.com/benchmarkxprt/webxprt/.

4   Dell, "Latitude 7300 Business Laptop," accessed June 3, 2020, https://www.dell.com/en-us/work/shop/dell-laptops-and-notebooks/latitude-7300-business-laptop/spd/latitude-13-7300-laptop.

Read the science behind this report at http://facts.pt/u0k7c8v ▶

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