The Irrefutable Victory: Dell Latitude 7440 Outperforms Lenovo ThinkPad X1 Carbon Gen 11 - Dominating in Benchmark Performance, Unrivaled Battery Longevity, and Unparalleled Comfort

By Andrew Glinka, Vice President, Competitive Intelligence | September 2023

In today's fast-paced business landscape, the choice of technology can significantly impact an organization's efficiency and success. With laptops being a pivotal tool for modern work, the selection process becomes critical. Dell Technologies conducted a comprehensive study comparing the performance of the Dell Latitude 7440 Ultralight laptop with a comparable Lenovo device. The results of this study shed light on how the Dell Latitude 7440 outperforms Lenovo's ThinkPad X1 Carbon Gen 11, offering commercial customers an exceptional computing experience that directly translates into enhanced productivity and success.

Principled Technologies’ study found that the Dell Latitude 7440 Ultralight sustained higher performance with less toll on battery life and delivered better thermal and acoustic experiences than Lenovo ThinkPad X1 Carbon Gen 11.¹

Better Performance on Real-world Benchmarks With Minimal Extra Battery Cost

The Sysmark 25 benchmark test found that the Dell Latitude 7440 Ultralight Laptop delivered a 24.3 percent higher overall rating than Lenovo’s device, which translates into better responsiveness while performing everyday tasks.

![SYSmark 25 - Overall rating (higher is better)](image)

Figure 1: SYSmark 25 Overall rating. Higher is better. Source: Principled Technologies.

The CrossMark benchmark test found that the Dell Latitude 7440 Ultralight laptop scored 27.4 percent higher than Lenovo’s device, which translates into higher responsiveness without costing any additional battery life.
The WebXPRT real-world web browsing benchmark test found that the Dell Latitude 7440 Ultralight laptop scored 47 percent higher than the Lenovo laptop while consuming nearly the same amount of battery life translating into fast web-browsing capabilities.

The Procyon Office Productivity benchmark test found that the Dell Latitude 7440 Ultralight laptop achieved 41.7 percent higher score than the Lenovo device while consuming nearly the same amount of battery, translating into enhanced user productivity.
The Cinebench R23 benchmark test found that the Dell Latitude 7440 achieved a 27.3 percent higher score than the Lenovo system, which translates into higher or on par performance than Lenovo system without taking a hit to battery life while conducting heavy workloads.

Enhanced Productivity with Better Battery Life

In today’s hybrid work environments, it may not be feasible for workers to keep their laptops plugged in all day—and themselves tethered to their desks. A longer battery life can help employees stay productive wherever they are working.

The MobileMark 25 benchmark test found that the Dell Latitude 7440 Ultralight laptop delivered more than twelve hours of battery life—over an hour and a half beyond the Lenovo ThinkPad X1 Carbon Gen 11’s battery life, indicating that users can remain productive from morning to evening with a workday and a half of battery life.
An ideal device would offer high performance and plentiful battery life while remaining cool to the touch for a more comfortable user experience. Principled Technologies’ intensive Cinebench R23 workload test found that while both laptops heated up under load, the Dell Latitude 7440 Ultralight laptop offered nearly the same performance as the Lenovo ThinkPad X1 Carbon Gen 11 while maintaining notably cooler temperatures. Furthermore, the Dell Latitude 7440 Ultralight laptop sustained slightly more battery life while the test was running.

Minimize Distracting Noise

A user’s laptop should be a tool for productivity, not a hindrance to it. To see what noise levels each system produced, Principled Technologies measured the decibel levels in the room while the laptops were idle and while they were running a Cinebench workload. While neither of the two laptops made significant noise above baseline room noise when idle, the Dell Latitude 7440 Ultralight Laptop was a bit quieter than the Lenovo ThinkPad X1 Carbon Gen 11 under load. With a quieter laptop, users have one fewer distraction to worry about.

For More Information

As the Principled Technology study demonstrates, the Dell Latitude 7440 Ultralight offers higher performance with less toll on battery life and delivers better thermal and acoustic experiences than Lenovo ThinkPad X1 Carbon Gen 11. Please be sure to

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**MobileMark 25 battery life score** *(hh:mm, higher is better)*

<table>
<thead>
<tr>
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<th>Dell Latitude 7440 Ultralight Laptop</th>
<th>Lenovo ThinkPad X1 Carbon Gen 11</th>
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<tr>
<td><strong>Battery Life</strong></td>
<td>12:02</td>
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Figure 6: Battery life, in hours and minutes, according to the MobileMark 25 benchmark. More time is better. Source: Principled Technologies.

**Thermal performance under a sustained workload** *(lower is better)*

- **Top hot spot**
  - Dell Latitude 7440 Ultralight Laptop: 118.7°F (48.1°C)
  - Lenovo ThinkPad X1 Carbon Gen 11: 117.8°F (47.6°C)
- **Bottom hot spot**
  - Dell Latitude 7440 Ultralight Laptop: 101.9°F (38.8°C)
  - Lenovo ThinkPad X1 Carbon Gen 11: 131.3°F (55.1°C)

Figure 7: Average temperatures under a sustained Cinebench R23 workload, in degrees Fahrenheit, at two hot spots on the devices we tested. Lower temperatures are better. Source: Principled Technologies.
click on the following links for more fascinating insights into the overall findings of the Principled Technologies researchers.

- **Full Report: Sustain higher performance with less toll on battery life with the Dell Latitude 7440 Ultralight Laptop**

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**About the author:** Andrew Glinka is Vice President, Competitive Intelligence at Dell Technologies. Andrew is a 12-year Dell Technologies veteran and brings over 24 years of experience in technology sales, management, and operations. Prior to assuming his current role, Andrew served as Global Director of Sales Strategy for the Data Protection Solutions Division. He has also managed the Global Software Sales team as well as other sales teams in the Data Protection Solutions Division. Prior to joining Dell through the EMC acquisition, Andrew owned and operated an IT Managed Services business in Virginia for over 8 years before successfully selling the company.

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