



Executive summary

The new HP Elite Dragonfly G3 outperformed a previous-generation device across a series of tests



13.6% higher
SYSmark 25
overall rating



21.8% higher
CrossMark
overall rating



11.7% higher
WebXPRT 4
overall score



According to Gartner Group, sales of personal computers reached record-high levels in 2021.¹ As users continue working on previous-generation devices, they may or may not notice the inevitable performance deterioration that happens as technology ages. Additionally, users may not be aware of the hardware and performance improvements associated with newer laptops.

To help shed light on the benefits of upgrading their older devices, we conducted hands-on testing of two similarly configured HP Elite Dragonfly laptops: the latest-generation Dragonfly G3 featuring a 12th Gen Intel[®] Core[™] i7-1265U processor and a previous-generation Dragonfly G2 featuring an 11th Gen Intel Core i7-1185G7 processor. We used a series of benchmark tests to measure responsiveness, performance, and how well each device handled common business, office-productivity, web-browsing, and content-creation workloads. The Dragonfly G3 featuring a 12th Gen Intel Core i7-1265U processor outperformed the previous-generation device in all of our tests.



Results of our testing

To measure the performance of the devices we used the SYSmark® 25 and CrossMark™ benchmark tests. The HP Elite Dragonfly G3 featuring a 12th Gen Intel Core i7 processor achieved a SYSmark 25 overall rating that was 13.6 percent higher than the previous-generation device and a CrossMark overall rating that was 21.8 percent higher. These results indicate that users who upgrade their devices might enjoy faster response times and a better user experience.

SYSmark 25

Overall rating | Higher is better

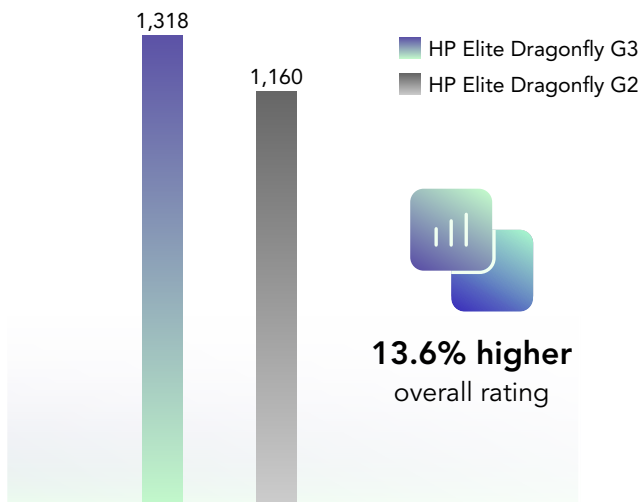


Figure 1: SYSmark 25 benchmark test results. We ran the test three times and report the median result. Higher is better. Source: Principled Technologies.

CrossMark

Overall rating | Higher is better

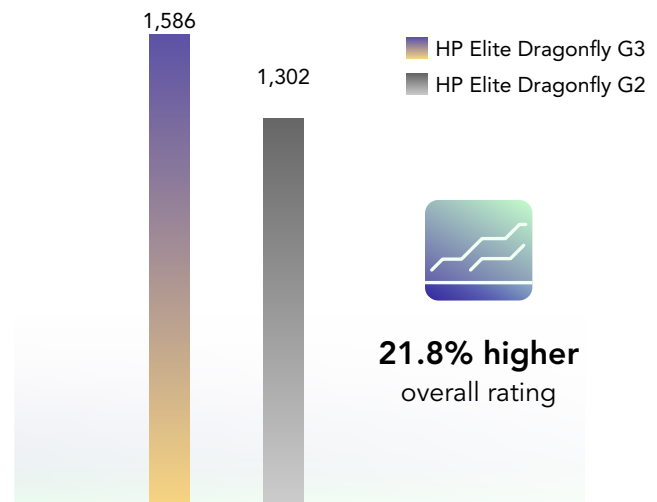


Figure 2: CrossMark benchmark test results. We ran the test three times and report the median result. Higher is better. Source: Principled Technologies.

WebXPRT 4 on Edge

Overall score | Higher is better

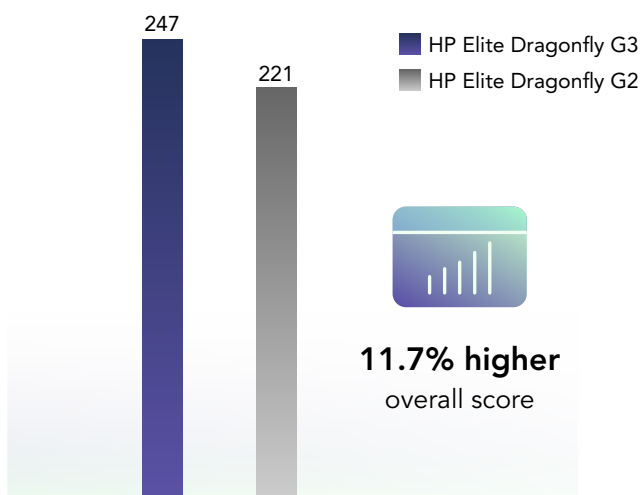


Figure 3: WebXPRT 4 benchmark test results. We ran the test three times and report the median result. Higher is better. Source: Principled Technologies.

To measure how the devices performed while browsing with Microsoft Edge, we used the WebXPRT 4 benchmark. The HP Elite Dragonfly G3 featuring the latest-generation Intel Core i7 processor achieved a WebXPRT score that was 11.7 percent higher than the previous-generation Dragonfly G2, which might mean users who upgrade their devices would enjoy a better web-browsing experience and collaborate with team members in web-based applications more efficiently.

1. Gartner, "Gartner Says Worldwide PC Shipments Grew 32% in First Quarter of 2021," accessed November 16, 2022, <https://www.gartner.com/en/newsroom/press-releases/2021-04-12-gartner-says-worldwide-pc-shipments-grew-32-percent-in-first-quarter-of-2021>.

Read the report at <https://facts.pt/Zu9s5yx>



Facts matter.®

Principled Technologies is a registered trademark of Principled Technologies, Inc. All other product names are the trademarks of their respective owners. For additional information, review the report.