

New Principled Technologies study compares HP notebooks to key competitors in general, Al, and battery life performance

The HP ProBook 445, EliteBook 645, and EliteBook 845 G11 Notebook PCs achieved higher benchmark scores and longer battery life vs. comparable competitor laptops

SAN JOSE, CA, UNITED STATES, November 5, 2024 /EINPresswire.com/ -- With hybrid and remote work models becoming more common and AI technologies changing the pace of work, the business world is rapidly evolving. Decision-makers now face important choices when it comes to PC and processor combinations for their workforce. To help narrow their options, Principled Technologies (PT) put three sets of Windows 11 Pro PCs to the test.

In the first comparison, PT tested an AMD Ryzen 7 processor-powered HP ProBook 445 G11 Notebook PC, an Intel Core Ultra 7 processor-powered Dell Latitude 3450 laptop, and an Intel Core Ultra 7 processor-powered Lenovo ThinkPad E14 Gen 6 laptop. The second comparison pitted an AMD Ryzen 7 PRO processor-powered HP EliteBook 645



G11 Notebook PC against a Dell Latitude 5450 laptop and a Lenovo ThinkPad L14 Gen 5 laptop, both of which featured an Intel vPro with Intel Core Ultra 7 processor. Finally, in the third comparison, PT tested an AMD Ryzen 7 PRO processor-powered HP EliteBook 845 G11 Notebook PC, as well as an Intel vPro with Intel Core Ultra 7 processor-powered Dell Latitude 7450 laptop and an Intel vPro with Intel Core Ultra 7 processor-powered Lenovo ThinkPad T14 Gen 5 laptop. In each comparison, PT used performance, productivity, and AI benchmarks. PT also ran battery life tests and user experience tests focusing on surface temperatures and acoustic output under load.

The report on the first comparison states, "Our hands-on system responsiveness and battery life

tests show that investing in 14-inch HP ProBook 405 Series Notebook PCs powered by next-gen AMD Ryzen 7035 Series processors could help set up your workforce for success. We found an AMD Ryzen 7735U processor-powered HP ProBook 445 G11 Notebook PC could help speed machine learning inference workloads and provide long battery life in unplugged productivity and collaboration scenarios."

In the second comparison report, PT writes that the HP EliteBook 645 G11 Notebook PC could "help set up your workforce for success. We found that an HP EliteBook 645 G11 Notebook PC with an 8-core AMD Ryzen PRO 7735U processor received higher benchmark scores, provided longer battery life, and ran cooler and quieter under load than 12-core Intel vPro with Intel Core Ultra 7 processor 165U-based Dell Latitude 5450 and Lenovo ThinkPad L14 Gen 5 laptops."

As for the third comparison, PT reports, "Above all, the PC and processor combo you invest in must empower your team to embrace emerging Al technologies, complete projects as quickly as possible, and provide enough battery life to sustain work when outlets are unavailable. In our hands-on system responsiveness and battery life tests, we found that a 14-inch HP EliteBook 845 G11 Notebook PC powered by an 8-core AMD Ryzen 7 PRO 8840U processor provided all-day battery life, a comfortable user experience, and received higher CPU- and GPU-focused benchmark scores compared to 12-core Intel Core Ultra 7 processor 165U-based Dell Latitude 7450 and Lenovo ThinkPad T14 Gen 5 laptops."

To learn more, read about the first comparison: https://facts.pt/BwkrHT6, the second comparison: https://facts.pt/ZMBE2pk, and the third comparison: https://facts.pt/rhwlW95.

About Principled Technologies, Inc.
Principled Technologies, Inc. is the leading provider



Help users boost productivity with HP EliteBook 645 G11 Notebook PCs



HP EliteBook 845 G11 Notebook PC: Empower anywhere work for high-producing teams

We compared day-to-day performance, battery life, and user experiences on an AMD Ryzen 8840U processor-powered HP EliteBook 845 G11 to those of two Intel Core Ultra 7 processor 165U-based Dell and Lenovo laptops Artificial intelligence (AI) is changing the pace—and face—of business. That makes the PC and processor combo you choose for youseful or your team more important than ewe. Earlier this year, HP launched the 14-inch EitleBook 845 (31) Notebook FL gowered by never per 2012 and the thind the processor. How does the processor will not be provided by new processors. How does this powerful combination compare to Intel® Core® Ultra processor-based AI PCs on the market?

In our hands-on system responsiveness and battery life tests, the 14-inch HP EllieBook 845 G11 Notebook PC with an 8-core AMD Ryzen 8040 Series PRO mobile processor delivered more than a full day's worth of battery life and received higher CPU- and GPU-focused benchmark scoresor-based Dell" and Lenovo" laptops. Read on for the full story.



HP EliteBook 845 G11 Notebook PC: Empower anywhere work for highproducing teams of technology marketing and learning & development services.

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