

# New third-party study highlights AI and battery life benefits of the HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC

*Principled Technologies compared the new AMD Ryzen AI 7 PRO 350 processor-powered HP notebook to two competitors in several areas.*

PALO ALTO, CA, UNITED STATES,  
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EINPresswire.com/ -- For organizations choosing new notebooks for their teams, artificial intelligence (AI) is a critical consideration. As AI becomes a part of every business workflow, it's more and more critical to invest in devices that can handle on-device AI processing smoothly and quickly. Of course, notebooks still need to deliver good battery life and strong performance for everyday work applications, and depending on the industry, performance for resource-intensive and graphics-intensive apps may also be a consideration.

Principled Technologies (PT) compared an HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC powered by an AMD Ryzen AI 7 PRO 350 processor to a Dell Pro 14 Plus laptop powered by an Intel Core Ultra 7 268V processor with Intel vPro and a Lenovo ThinkPad T14s Gen 6 laptop powered by an Intel Core Ultra 7 268V processor with Intel vPro. PT found that the HP system delivered advantages in a number of areas, including multitasking performance and AI performance. The PT report covers these results and what they mean, as well as looking



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A Principled Technologies report: Hands-on testing. Real-world results.

**The HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC: Innovation at your fingertips**

Compared to Intel Core Ultra processor-based Dell and Lenovo PCs, the AMD Ryzen™ AI PRO processor-powered HP AI PC can speed productivity and AI tasks—and more

Every day, AI continues to accelerate the pace of business. For organizations that require on-device AI processing rather than cloud-based models—whether for increased speed, security, or personalization—HP recently released its line of Next Gen AI PCs, designed specifically to “tackle complex AI tasks running on your device on in the cloud while boosting performance for your daily work.”<sup>1</sup>

To put this claim to the test, we assessed the performance of an HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC powered by an AMD Ryzen™ AI 7 PRO 350 processor, a Dell™ Pro 14 Plus laptop powered by an Intel® Core™ Ultra 7 268V processor with Intel vPro®, and a Lenovo ThinkPad T14s Gen 6 laptop powered by an Intel Core Ultra 7 268V processor with Intel vPro.

We found that the HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC achieved higher performance across a variety of productivity and AI workloads. Plus, with a workday's worth of battery life, serviceable parts, a built-in AI assistant, and intelligent privacy features, this AMD Ryzen™ AI PRO processor-powered AI PC can help propel your workforce forward in the age of AI.

**Accelerate AI apps**  
Up to 57.0% better on-device AI performance\*

**Speed resource-intensive work**  
Up to 47.8% higher Cinebench 2024 score†

**Collaborate on the go**  
Over 8 hours of battery life‡

\* Cinebench AI CPU score (Quantized) vs. Lenovo ThinkPad T14s Gen 6  
† Cinebench 2024 CPU multi-core score vs. Lenovo ThinkPad T14s Gen 6  
‡ Nine-participant Microsoft Teams meeting in Best power efficiency mode

This project was commissioned by HP and AMD.

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at privacy protection, thermal performance, serviceability, battery life, and more.

According to the report, “For the demands of next-gen workloads, your teams need a system and processor designed to handle AI and other rising applications. Delivering high performance scores, a workday’s worth of battery life, and comfortable physical user experiences, the HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC we tested also featured quickly serviceable components, a helpful built-in AI assistant, and intelligent privacy features. Compared to a Dell Pro 14 Plus and a Lenovo ThinkPad T14s Gen 6, each powered by an Intel Core Ultra 7 268V processor with Intel vPro, the AMD Ryzen™ AI 7 PRO 350 processor-powered HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC is a powerful and performant choice for the AI era.”

To learn more about the findings from Principled Technologies, read the report at <https://facts.pt/C2tASTA> and see the infographic at <https://facts.pt/GSel9MU>.

About Principled Technologies, Inc.

Principled Technologies, Inc. is the leading provider of technology marketing and learning & development services.

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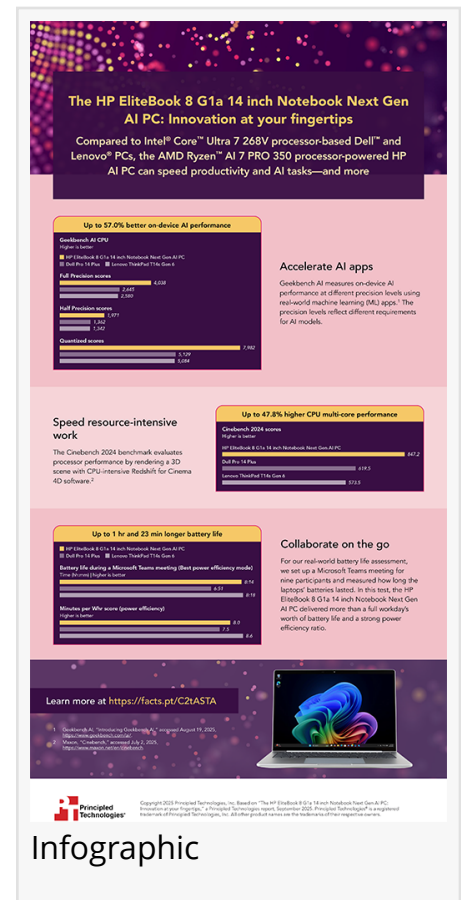
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