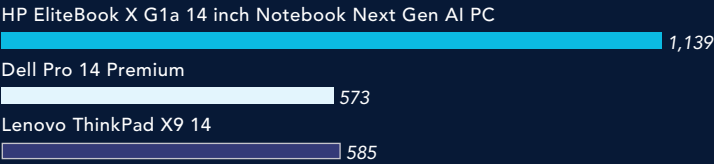# Supercharge AI performance and enhance productivity with the HP EliteBook X G1a 14 inch Notebook Next Gen AI PC

The AMD Ryzen™ AI 9 HX PRO 375 processor-powered HP AI PC outperformed Intel® Core™ Ultra 7 268V processor-based Dell™ and Lenovo® PCs across a range of tests

Up to 98.7% better CPU multi-core performance

Cinebench 2024 scores
Higher is better

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC	1,139
Dell Pro 14 Premium	573
Lenovo ThinkPad X9 14	585

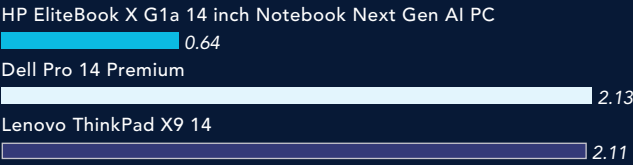### Run intensive workloads faster

The Cinebench 2024 benchmark evaluates processor performance by rendering a 3D scene with CPU-intensive Redshift for Cinema 4D software.[1]

Get GenAI answers sooner

LM Studio uses large language models (LLMs) to evaluate AI chat capabilities.[2] The more tokens per second a system can process—tokens being "the basic units of input and output in a language," typically words, subwords, or characters[3]—the faster it can enable content creation, language translation, sentiment analysis, and question answering.[4] And the less time users must wait for the first token, the smoother their experience will feel.
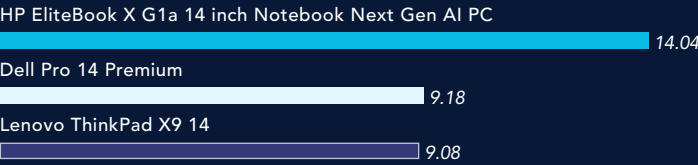
Up to 69.9% less time to first token
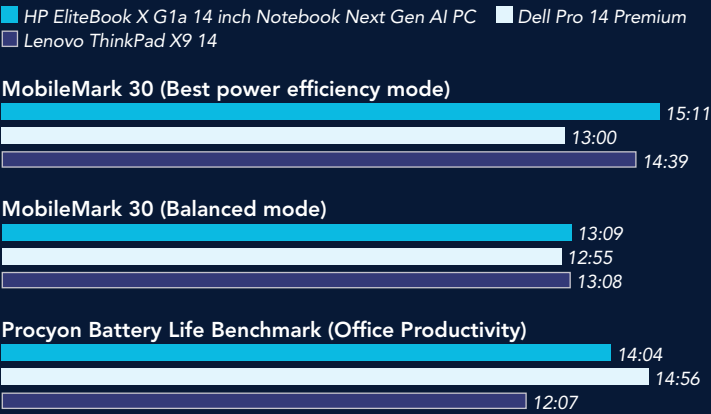
LM Studio time to first token
Seconds | Lower is better

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC	0.64
Dell Pro 14 Premium	2.13
Lenovo ThinkPad X9 14	2.11

Up to 54.6% more tokens per second

LM Studio tokens per second
Higher is better

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC	14.04
Dell Pro 14 Premium	9.18
Lenovo ThinkPad X9 14	9.08

Up to 2 hr and 11 min longer battery life

Battery life
Time (hh:mm) | Higher is better

■ HP EliteBook X G1a 14 inch Notebook Next Gen AI PC   ☐ Dell Pro 14 Premium
☐ Lenovo ThinkPad X9 14

MobileMark 30 (Best power efficiency mode)

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC	15:11
Dell Pro 14 Premium	13:00
Lenovo ThinkPad X9 14	14:39

MobileMark 30 (Balanced mode)

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC	13:09
Dell Pro 14 Premium	12:55
Lenovo ThinkPad X9 14	13:08

Procyon Battery Life Benchmark (Office Productivity)

HP EliteBook X G1a 14 inch Notebook Next Gen AI PC	14:04
Dell Pro 14 Premium	14:56
Lenovo ThinkPad X9 14	12:07

Work from anywhere

For multiple angles on battery life, we ran the MobileMark® 30 benchmark in Best power mode and Balanced mode, as well as the Procyon® Battery Life Benchmark in Best power efficiency mode. The latter's office productivity scenario uses real-world Microsoft 365 apps to simulate battery usage during a typical workday.[5]

Learn more at https://facts.pt/5pDIt0t

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1   Maxon, "Cinebench," accessed August 5, 2025, https://www.maxon.net/en/cinebench.
2   LM Studio, "Your local AI toolkit," accessed July 7, 2025, https://lmstudio.ai/.
3   Alisdair Broshar, "What are LLMs? An intro into AI, models, tokens, parameters, weights, quantization, and more," accessed July 7, 2025, https://www.koyeb.com/blog/what-are-large-language-models.
4   Alisdair Broshar, "What are LLMs? An intro into AI, models, tokens, parameters, weights, quantization, and more."
5   UL Solutions, "Procyon® Battery Life Benchmark," accessed July 8, 2025, https://benchmarks.ul.com/procyon/battery-life-benchmark.