

Third-party study highlights performance and battery life benefits of Dell Pro AI PCs powered by Intel Core Ultra CPUs

Principled Technologies completed a range of hands-on tests on Dell Pro AI PCs and their 2022 and 2023 Latitude and OptiPlex predecessors

AUSTIN, TX, UNITED STATES, December 4, 2025 /EINPresswire.com/ -- AI continues to rank highly on trend forecasts across industries. While these software innovations are poised to revolutionize the business world, AI can't boost productivity and improve bottom lines when it's hobbled by underperforming hardware.

To investigate how upgrading from 2022 and 2023 desktops and laptops to Dell Pro AI PCs powered by Intel Core Ultra processors could help businesses of all sizes, Principled Technologies (PT) conducted hands-on performance and battery life testing across multiple offerings.

PT found that the Dell Pro Micro and Dell Pro Slim consistently delivered stronger graphics and on-device AI performance than their OptiPlex 7000 predecessors. Their report on the Dell Pro Slim explains: "Upgrading from 2022 Dell OptiPlex 7000 SFF desktops to new Dell Pro Slim desktops powered by Intel® Core™ Ultra 7 265 processors with Intel vPro® delivers substantial improvements in graphics, and on-device AI performance. With higher benchmark scores across GPU, CPU, and on-device AI tasks—including GenAI and LLM workloads—these Window 11 Pro desktops enable faster, more efficient workflows and enhanced productivity for businesses. Built-in innovations such as advanced security, simplified IT management, and sustainability features can help your team meet their goals."



Video - Dell Pro AI PCs

Results were similarly exciting with the Dell Pro 14 Plus laptops PT tested. In addition to stronger graphics and on-device AI inference, the Dell Pro 14 Plus also delivered more than a workday's worth of battery life—beating out the Latitude 5430, 5440, 5540, and 7430 laptops PT compared them to. One of the Dell Pro 14 Plus reports says, “In our hands-on testing, the Dell Pro 14 Plus AI PC, powered by a next-gen Intel® Core™ Ultra 5 236V processor with Intel vPro®, clearly outperformed its two- and three-year-old Latitude predecessors across a wide range of benchmarks, delivering significant improvements in battery life, general performance, graphics capabilities, and on-device AI processing. With up to four hours and 30 minutes longer battery life, this AI PC empowers professionals to work anywhere more efficiently and creatively, whether tackling demanding content creation tasks or leveraging advanced AI applications for faster decision-making and innovation.”

To learn more, check out the summary video at <https://facts.pt/PasLNJW>, or, for an overview of key Dell 14 Pro Plus results, toggle through this interactive summary: <https://facts.pt/o8Lu7LD>.

About Principled Technologies, Inc.

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

Principled Technologies, Inc. is located in Durham, North Carolina, USA. For more information, please visit www.principledtechnologies.com

Sharon Horton

Principled Technologies, Inc.

press@principledtechnologies.com

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[YouTube](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/872568271>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.