

Principled Technologies finds IT admins can deploy and manage mixed-CPU PC fleets using identical methods

Deploying and managing laptops with AMD Ryzen AI and Intel Core Ultra processors required the same process and comparable hands-on time

SANTA CLARA, CA, UNITED STATES, August 21, 2025 /EINPresswire.com/ -- Principled Technologies released a report outlining hands-on testing comparing deployment and management processes for laptops powered by AMD processors and those powered by Intel processors. The study demonstrates that IT administrators can deploy, update, wipe, and reimage mixed-CPU PC fleets using identical methods and nearly the same amount of hands-on time, regardless of processor.

The study highlights how using identical deployment and management methods across a mixed-CPU laptop fleet can reduce IT complexity, allowing IT teams to focus more on high-impact activities. With consistent hands-on times and streamlined processes, organizations can simplify endpoint management, improve operational efficiency, and free up IT resources to focus on strategic initiatives.

Key findings from the report include:



Principled Technologies®

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

Equal time, equal tools: Measuring PC deployment time in multi-vendor environments

Investigating the experience of simultaneously deploying AMD and Intel processors in a Microsoft-managed environment

The modern workforce isn't confined simply to traditional office buildings, with many industries utilizing remote or hybrid work models that see employees logging in from different locations. While a mobile workforce has its advantages, managing a distributed laptop fleet can present new challenges. IT admins need a straightforward method to deploy new laptops to end users, regardless of their location. Meanwhile, decision-makers may find the best laptop purchase choices feature processors from different vendors. This means that admins need to be able to manage a mixed-CPU fleet with the least fuss possible.

To gauge the complexities of deploying and managing a mixed-CPU fleet, we deployed two pairs of Dell and HP laptops. Each pair included one AMD and one Intel processor. Because different teams may use different Microsoft deployment and management tools, we also utilized both sides of Microsoft Endpoint Manager, with Configuration Manager as a traditional approach and Windows Autopilot as a modern approach. To complete the evaluation, we performed several common management tasks, including system wipes for decommissioning or repurposing.

Our findings will relieve IT administrators managing diverse fleets: there was no difference in the deployment effort due to the processor. Additionally, the processes we used to complete common lifecycle management tasks were identical in both the required hands-on time and the number of steps involved. While we did discover small deployment time discrepancies between the devices themselves, this amounted to no more than a few minutes. Continue reading for more on the impact of our test results.

Experience similar hands-on deployment times for both AMD and Intel processor-powered systems

Complete common management tasks using identical processes whether the CPU is from AMD or Intel

Use the same deployment method for both AMD and Intel processor-powered systems

Equal time, equal tools: Measuring PC deployment time in multivendor environments August 2025

Equal time, equal tools: Measuring PC deployment time in multi-vendor environments

- Identical deployment and management steps required for both AMD and Intel processor-powered laptops
- Similar hands-on deployment time for AMD and Intel processor-powered laptops
- Identical process to complete several common management tasks for AMD and Intel processor-powered laptops

The report notes: "With an equivalent process to deploy, update, wipe, and reimage devices, and nearly the same amount of required hands-on time regardless of processor, our test results demonstrate that concerns about managing a mixed-processor fleet with two separate deployment processes can become a thing of the past. Consistent methods allow IT administrators to spend less time learning new processes and more time supporting your organizations' growth through improved user support, robust security measures, and innovative technology projects."

To learn more about how deploying and managing mixed-CPU PC fleets can be simpler, read the full report at <https://facts.pt/pbfF2PF>.

About Principled Technologies, Inc.

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

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