

Surviving and thriving

7 Easy-to-avoid mistakes that hinder PC refreshes

While the need to manage device refreshes is a perennial one, evolving business and user priorities mean each cycle brings its own challenges. As you consider yours, ensure you’re avoiding the following common mistakes for a refresh that simplifies IT admin, strengthens security, takes advantage of the latest innovation, and makes end users very happy.

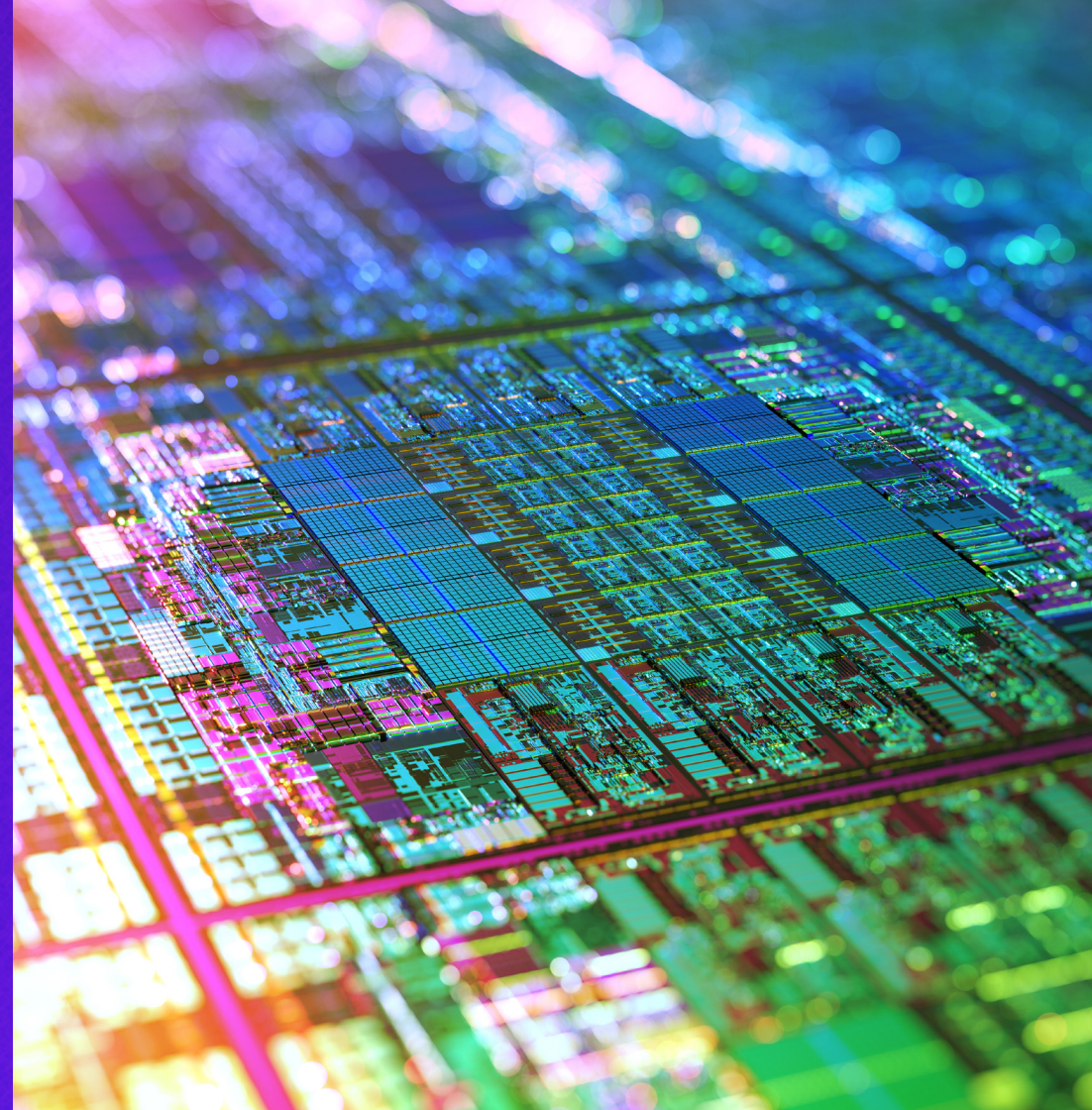


1. Forgetting both sides of the efficiency equation: IT and end users

Streamlining IT admin is important, but if on-device security and management layers frustrate users, people tend to work around them. Look for devices that combine remote management and security tools that make IT happy with performance people love.

2. Relying on perimeter-based security

It’s a zero-trust world, and attacks on basic input/output system (BIOS) software and unified extensible firmware interface (UEFI) are on the rise. Ensure you’re choosing devices that include silicon-level protection to thwart these below-the-OS attacks.



3. Assuming all PCs are compatible

The choice of laptops available is huge, but beware of devices that use parts from multiple different vendors as they can be wildcards for drivers, device management, and security. Pilot and test new platforms thoroughly before bringing them into your fleet.

4. Believing things won’t change

Some PC manufacturers can modify their products, which may create risks and management challenges for IT fleet managers. Choose partners that offer consistent product configurations and provide corporate platform validation.



5. Skipping on specs

Remote and hybrid workers, new operating systems, and the rise of AI-infused everything demand far more powerful PCs than previous generations. Assume 32GB of RAM is the new baseline for solid, business-grade performance, and allot 64 GB or more for power users. High-resolution screens, Thunderbolt 4, and the latest WiFi will keep users happy and extend your fleet’s usable lifespan.

6. Ignoring the energy bill


Manufacturing accounts for 80% of a laptop’s lifetime carbon footprint.¹ Shipping, using, and recycling make up the other 20%.¹



7. Not insisting on Intel vPro® technology

Start your refresh with Intel vPro® technology. These professional-grade PCs make life easier for IT and better for users:

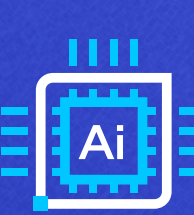
- **Simplify, streamline, or automate** your IT management processes with built-in Intel® Active Management Technology (Intel® AMT)



23%

safer


- Hardware-enabled security on Intel vPro® can help **reduce material security breaches** by up to 23% and reduce the time spent on security breaches by 35%.²



73%

faster


- PCs powered by Intel® Core™ Ultra processors provide up to 2.5x AI inference performance-per-watt³ and up to **73% faster generative AI performance**⁴ compared to last year’s devices.



93%

renewable energy

- Intel manufactures with **93% renewable electricity** globally, including 100% in the US, Europe, Israel, and Malaysia.⁵



68%

more energy efficient

- Intel-based OEM notebooks can exceed **Energy Star 8.0 efficiency requirements** by up to 68%.⁶

See how Intel vPro® simplifies refreshes.

[Click here](#)



¹ Dell, Dell Latitude 3510 Report, May 2020, accessed December 2024

² Based on “The Total Economic Impact™ of the Intel vPro Platform” an Intel-commissioned study by Forrester Consulting, January 2024, which surveyed 500 ITDMs at enterprises across the world using Intel vPro®, including US, Canada, France, Germany, UK, Australia, China, India, and Japan. For the study’s findings, Forrester aggregated the data and experiences from the interviewees into a composite organization with an assumed revenue of \$1 billion per year and 10,000 employees.

³ As measured by UL Procyon AI Inference Benchmark (int8 model) Intel Core Ultra 7 165H NPU vs. Intel Core i7-1370P GPU.

⁴ As measured by text to image generative AI workload using AI1111 plug-in Intel Core Ultra 7 165H vs. Intel Core i7-1370P.

⁵ Intel, 2022-23 Corporate Responsibility Report, accessed December 2024

⁶ Disclaimer: Based on OEM design implementation. 68% more efficient claim is based on a DELL - Latitude 7340 Laptop with the 13th Gen Intel® Core™ i7-1355U that uses 68% less energy (Typical Energy Consumption - TEC) than total ENERGY STAR computer specification v8.0 allowance for that system (TEC of model=14.5 kWh vs Total allowance of 45.9 kWh). See energystar.gov for more details. Based on measured and projected SPECint_rate_base2017 (1-copy) from year 2012 Intel® Core™ i7-3667U (IVB-U) 17W compared to year 2022 Intel® Core™ i7-1265U (ADL) 15W. 2012-2016 SPECint_2006 data was baselined and projected to equivalent SPECint_rate_base2017. Compiler version variability expected. See CSR-2022-23-Full-Report.pdf for more details.

Intel technologies may require enabled hardware, software, or service activation.

Performance varies by use, configuration and other factors. Learn more at [intel.com/performance/index](https://www.intel.com/performance/index). Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details.

AI features may require software purchase, subscription or enablement by a software or platform provider, or may have specific configuration or compatibility requirements. Data latency, cost, and privacy advantages refer to non-cloud-based AI apps. Learn more at [intel.com/AI/PC](https://www.intel.com/AI/PC).

All versions of the Intel vPro® platform require an eligible Intel processor, a supported operating system, Intel LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance and stability that define the platform. See [intel.com/performance-vpro](https://www.intel.com/performance-vpro) for details.

Remote management requires a network connection; must be a known network for Wi-Fi out-of-band management. See www.intel.com/Performance-vPro for details. Results may vary.

Intel is committed to the continued development of more sustainable products, processes, and supply chain as we strive to prioritize greenhouse gas reduction and improve our global environmental impact. Where applicable, environmental attributes of a product family or specific SKU will be stated with specificity. Refer to Intel Corporate Responsibility Report (<https://csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2023-24-Full-Report.pdf>) or visit www.intel.com/2030goals for further information.

No product or component can be absolutely secure.

Your costs and results may vary.

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