Dell Optimizer

We make it intelligent.
You make it yours.

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Powering the world's most intelligent PCs[1]

With the recent democratization of Generative AI, the public can now access intelligent data that elevates the everyday work experience. It provides users with vast amounts of information, and also teaches and assists them on how to absorb it efficiently.

The PC becomes a vessel of information — the window to your world of productivity. Intelligent devices help improve performance and usability and deliver better access to these new technologies, so employees can do their jobs smarter and faster.

Dell Optimizer is our AI-based optimization software that learns and responds to the way you work, designed to improve application and PC performance, battery life and runtime, audio conferencing settings and much more — all in the background while you're working.

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Safe, secure and manageable

Artificial intelligence is seen by many as the baseline of transformative technology, but it can be dangerous when not handled ethically and responsibly. Dell Optimizer follows a stringent process to ensure your privacy and security. Plus, remote and modular deployment put you in control.

Secure
Dell Optimizer's optimization technology is designed to gather and analyze data locally on your system, never leaving the box without your consent. Designed to continually improve your PC experience, Dell Optimizer continues to innovate and infuse algorithms to elevate the hardware experience.

Manageable
IT teams can quickly and easily deploy updates and optimize multiple systems simultaneously and remotely with minimal interruptions with **centralized management** through Intune or other endpoint systems.

Customizable
With **modular installation**, at any time you can pick and choose which Dell Optimizer features to install and what settings end-users can see and control.

Read more about our data collection and manageability features here. →

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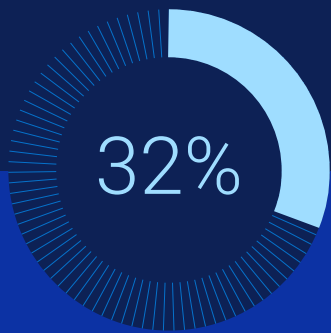
Save energy and preserve your battery

Intelligent power and battery features deliver energy savings and protect both your battery life and runtime. Convenient thermal management settings balance performance, surface temperature and fan noise. When set to 'Quiet Mode' it can deliver up to 2.4W power savings over default mode.[2]

Dynamic Charge Policy learns your charging behavior over seven days and intelligently applies the best charge policy for you.

Advanced Charge fully charges your battery once, before the start of your day, optimizing battery life and preventing overcharging.

Intelligent Battery Extender will help preserve battery runtime by making system adjustments when your battery is running low.

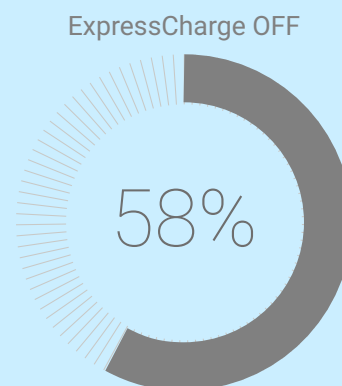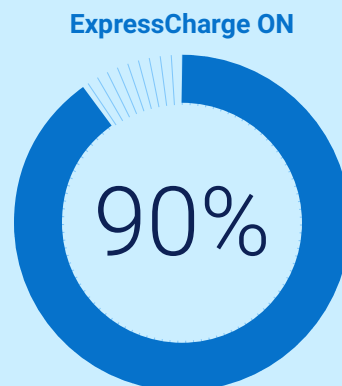Save energy costs by charging only during certain times of the day with **Peak Shift.**

32%

Improve battery charging performance by 32% with ExpressCharge[3]

Reduced battery recharging times

I noticed a significant difference to my battery life straight away – with Dell Optimizer I can now easily work for 12 hours without plugging in.

Peiying Zhang
COO Australia & New Zealand, Schréder Australia

Dell Latitude 9430 battery percentage
after a one-hour-charge.

ExpressCharge ON

ExpressCharge OFF

90%

58%

Charge up to 90% of your battery in just 1 hour
Source: Principled Technologies

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Improved app performance

AI-based technology optimizes foreground applications.

"

In short order, [Dell Optimizer] can improve the user experience, app performance and mobility, among the many other enhancements its AI enable.

Farzad Khosrowpour
Technology Strategist, Dell Technologies

Read our development story here.

Maximize performance
Intelligent software prioritizes performance for the application you are working in by reallocating resources from applications running in the background.

Peak efficiency for select Precision Mobile Workstations[4]
Sacrifice little when working off battery power. Increased power output can boost the performance of select heavy workload applications. Plus, additional performance enhancements are applied to the applications running in the foreground when you need to preserve runtime or control PC temperature.

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World's most intelligent collaboration experience[5]

Dell Optimizer delivers the ultimate collaboration experience through AI-based optimization of audio, connectivity, and productivity features.

A touch of collaboration

Ease into your meetings with the collaboration touchpad on select Latitude PCs.[6] It uses the touchpad surface to provide quick access to frequently used Zoom and Microsoft Teams[7] features such as screen share, chat, camera, and microphone. Plus, Haptic vibrations are available on select devices to enable a better conferencing experience.

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Hear and be heard

Intelligent Audio provides high-quality sound and features for a better conferencing experience.

Remove background noises

AI-based technology helps remove unwanted, distracting noises from your conference call — on both your end and the other end of the call.

Voice Quality Monitoring

Dell-exclusive intelligent technology[8] alerts you when your voice quality is poor and when others may be having a hard time hearing your.

Dynamic Volume

Intelligently adjusts your PC speaker volume, so you can hear your call clearly over loud and persistent noises.

> *Emergency shelters are incredibly noisy places — not good environments for clear Zoom or Teams calls – but these virtual conversations directly impact people's lives. Dell Optimizer's Intelligent Audio technology has really saved us.*
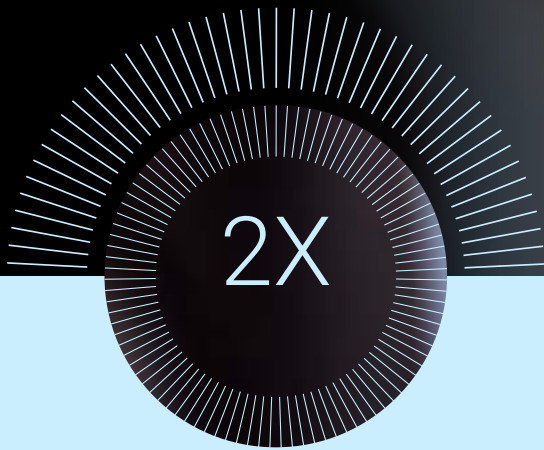
Kelly Durand
Director of Organizational Learning, People's Emergency Center, Philadelphia
Read the full customer story here

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Unmatched connectivity

Optimized for the best connection, our **intelligent networking tools,** powered by Intel® Connectivity Performance Suite, provide the world's first simultaneous multi-network connection for faster data and video downloads.[9] It also enables joining the best network permissible[10] and prioritizes traffic for conferencing apps, wherever you work.

2X

Transfer data up to 2X faster with simultaneous multi-network connection[3]

Boosted network performance

"

Traveling a lot means using different internet connections and wireless options – so the fact that Dell Optimizer automatically connects me to the best network is excellent for my daily work.

Sakkanart Udomdirekrirk
Owner, Pragma Technology

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Get personalized insights

Access real-time workload and system insights with the **Analytics** reports on select Precision workstations and Rugged PCs.

- Monitor workload utilization of your system.
- Help diagnose system problems by analyzing core PC components such as battery, storage, CPU and memory behavior.
- Review system reliability and problem history.

"

Dell Optimizer directly helps us save costs. In a year of using the solution, I haven't had to provide a CPU or RAM upgrade to any Dell Precision users based on Dell Optimizer analytics.

Aaron Zell
Manager of IT, Yardi

Read the full customer story here

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An intelligent ecosystem

Elevate your work experience with intelligent optimization extending from your PC to the rest of your desk. Enjoy easy pairing and management of your Dell monitors and accessories with easy access to **Dell Display Manager and Dell Peripheral Manager**.

Dell Display Manager offers optimal front-of-screen experience and efficient display management through comprehensive easy-to-use tools.

Customize and update your compatible Dell accessories with advanced features such as AI auto-framing in webcams and programmable keyboard keys using Dell Peripheral Manager.

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Preserve runtime and protect privacy with Presence Detection

Using sensor-based technology, our Presence Detection features detect your presence to wake your system upon approach, dims your screen when your attention is elsewhere, and locks your screen when you walk away — all helping extend battery life, while protecting your on-screen privacy.

Onlooker detection will texturize your screen when an onlooker is detected and Look Away Dim darkens your screen when you look away. Keep your on-screen data private with our Intelligent Privacy features.
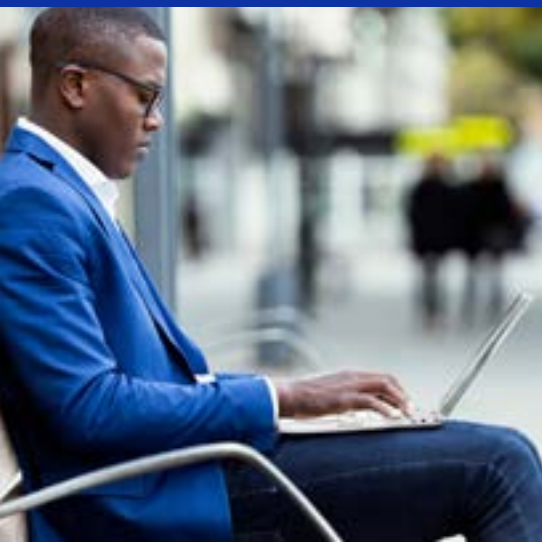
Click here to see how Intelligent Privacy works. →

There's no dull moment in any school, and as the principal, I'm called away from my desk a hundred times a day. I love the fact that my laptop is immediately ready for me when I approach and automatically knows when I'm leaving.

Derek Cooper
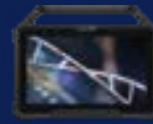*Superintendent/Principal at Happy Camp Union Elementary School District*

Make the world your workplace

Our network-based privacy feature allows you to set your intelligent privacy settings based on your network connection. When you are out and about you can now quickly enable Onlooker Detection or Look Away Dim from an alert indicating you are connected to a new network.

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Explore system features that work for you

Whatever your needs or challenges are, Dell Technologies has a Dell Optimizer-powered system to help you maximize productivity.

Feature	Precision Mobile Workstations			Precision Workstations			Latitude Laptops				Rugged Laptops				OptiPlex Desktops			
	3000	5000	7000	3000	5000	7000	3000	5000	7000	9000	5430	7030	7230	7330	Micro	SFF	Tower	AIO
Application Optimization	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Intelligent Audio	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Network Optimization	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Power Optimization	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Presence Detection	●			◆			◆	●	●	●		◆	◆		◆	◆	◆	●
Analytics	●	●	●	●	●	●					●	●	●	●				
Intelligent Privacy	●	●	●						●	●								●
Collaboration Touchpad									●	●								

Dark blue indicates feature is available through Dell Peripheral Manager when an external webcam or a Dell monitor with compatible integrated presence detection sensors is connected.

Feature availability varies by PC model and version of Dell Optimizer Software. Please refer to the Availability Matrix for more details.

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To learn more, go to www.dell.com/optimizer

Disclaimers & endnotes

1   Based on Dell analysis, November 2023. Dell Optimizer is the AI-based optimization software for commercial PCs and MyDell is the AI-based optimization software for consumer and small business PCs. Dell Optimizer is not available in OptiPlex 3000 series, Latitude Chromebook Enterprise, and Linux-based devices. MyDell is only available on new Inspiron, Vostro and XPS PCs beginning in 2023, as well as select models from 2021 and 2022. MyDell is not available on Alienware PCs. Feature availability and functionality may vary by model. For more details visit Dell Optimizer Availability Matrix and MyDell Feature Availability Matrix.

2   This is based on a Dell internal study testing power and performance within our Dell Optimizer power module. White paper published November 2022: Click here for more details.

3   Based on A Principled Technologies Report commissioned by Dell that ran PC performance benchmarks on Dell Latitude 9430 laptops and OptiPlex 7400 all-in-one desktop PCs: Improve PC app performance, battery charging, and end-user experiences with Dell Optimizer, June 2023.

4   Only available on Precision 5480 and Precision 5680.

5   Based on Dell analysis, November 2023. Collaboration feature availability and functionality may vary by model. Collaboration touchpad is just available on Latitude 9330 and 9440 models only. For more details visit: https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/technical-support/dell-optimizer-features-availability-matrix.pdf.external

6   The collaboration touchpad is only available on select Latitude PCs. For more details visit: https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/technical-support/dell-optimizer-features-availability-matrix.pdf.external

7   Microsoft Teams compatibility with the Collaboration Touchpad requires download of Dell Optimizer version 4.1.3 or newer and the latest version of Microsoft Teams for work or school.

8.   Based on internal analysis, June 2023.

9.   Disclaimer: Simultaneous multi-network connection (or Connection based teaming) is a connectivity feature under Network Optimization. It simultaneously sends and receives data and video traffic using two wired or wireless connections. Based on Dell internal analysis.

10. Best network selection based on signal strength, channel congestion, router type and others. Network suggestions based on user credentials.