# DELL OPTIMIZER

We make it intelligent.
You make it yours.



## TABLE OF CONTENTS

**D&LL**Technologies

# DELL OPTIMIZER

**Personalized performance** made for hybrid work

The age of hybrid work styles is here and it has demanded an upgrade in personalized performance. Our devices need to keep the collaboration and productivity at pace with today's rapid change.

**Intelligent Privacy**

**ExpressConnect**

**Intelligent Audio**

**ExpressSign-in**

**ExpressCharge**

**ExpressResponse**

**Dell Optimizer** revolutionizes the way you work by fueling the world's most intelligent business PCs[*].

It is an AI-based optimization software that learns and responds to the way you work and designed to automatically improve application performance, battery run-time, audio settings and privacy – all in the background[**] while you're working.

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**Intelligent privacy** anywhere

Privacy is a major concern – help keep sensitive data private with **a comprehensive suite of Intelligent Privacy features.**[1]



**Intelligently protect digital assets and privacy with:**

**Onlooker detection** lets you texturize or turn on Safe Screen when an intruder is detected.

**Look Away Detect** darkens the PC screen based on user behavior.

**ExpressSign-in** detects your presence and wakes up your system and locks your PC when you walk away.

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## Elevate app performance with ExpressResponse

A new era of smart systems has begun. **ExpressResponse** manages the speed and performance of your favorite applications[3], so every interaction feels like second nature.

"I love the way that Dell Optimizer prioritizes my most important applications. It helps my working day run more smoothly."

**Sakkanart Udomdirekrirk**
Owner, Pragma Technology

### Know your applications

Input your most-used applications into the Dell Optimizer interface and machine learning handles the rest. It evaluates how each program consumes resources and identifies opportunities for optimization.

### Enhances performance

After learning your selected applications, ExpressResponse boosts app performance and prioritizes what you're working on and the task at hand.

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## Unmatched connectivity with ExpressConnect

Benefit from the strongest Internet connection available. **ExpressConnect**[3] provides faster data and video downloads through the world's first simultaneous multi-network connection.[4] It also joins the best network[5] available wherever you work.



**Simultaneous multi-network connection**
Uses two network connections (wired and wireless) to simultaneously send and receive data for faster downloads.

**Bandwidth Management**
Prioritizes conference apps while working from anywhere.

**Automatic Network Switching**
Recommends switching to a stronger network when available.

**3X** LESS BUFFERING^

**8X** BETTER VIDEO QUALITY^

**20%** MORE DATA TRANSFERS^
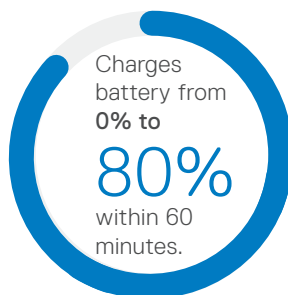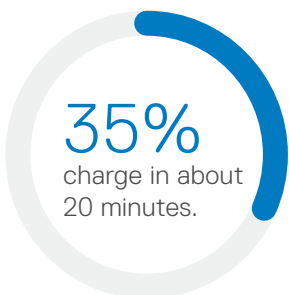
**30%** FASTER APP AND DATA PROCESSING^

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## Extend your power with ExpressCharge

ExpressCharge analyzes power usage habits to improve PC battery utilization. It extends run times and charges your system faster when you need a boost in power.

"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,
Schreder Australia

**35%**
charge in about 20 minutes.

Charges battery from **0% to**
**80%**
within 60 minutes.

### Guard Against Low Power

By regulating screen brightness, CPU performance, Bluetooth and more. **ExpressCharge** helps ensure your battery operates at its fullest potential.

### Keeps you up and running

Get all the power you need at less the time with up to 80% charge in an hour, or use **ExpressCharge boost** and gain 35% battery life in just 20 minutes.***

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## Hear and be heard with Intelligent Audio

Collaborate with confidence with **Intelligent Audio** as it detects your voice and stabilizes your system's volume for an enhanced conferencing experience.

"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



### All the collaboration features you need

**Proximity Microphone** adds a brighter, clearer tone to speech and is ideal for conferencing and podcasting.

**Intelligent noise elimination** automatically reduces background noise via **neural-noise cancellation technology** so the only thing your co-workers will hear during a meeting, is you.

**Distortion reduction** analyzes audio content in real-time and delivers louder output levels without feedback.

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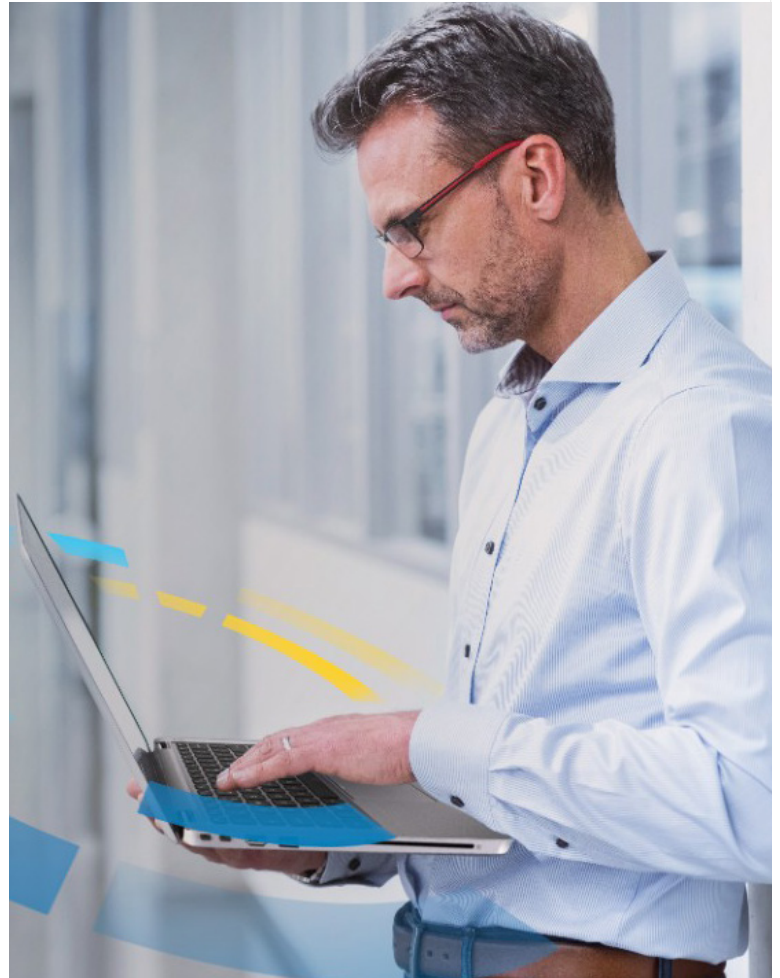## Productivity without disruptions

Deploy updates and optimize multiple systems simultaneously and remotely with minimal interruptions to your workflow through **centralized management**.

### Manage to fit your work

Create a seamless, easy-to-manage work experience for both end-users and IT decision makers. Set up individual features and modules from Dell Optimizer that fit your work environment with the **modular installation**.

"Dell Optimizer brings us real, measurable productivity gains".

**Dario Ladu**
Systems Engineer at freecon AG, Switzerland
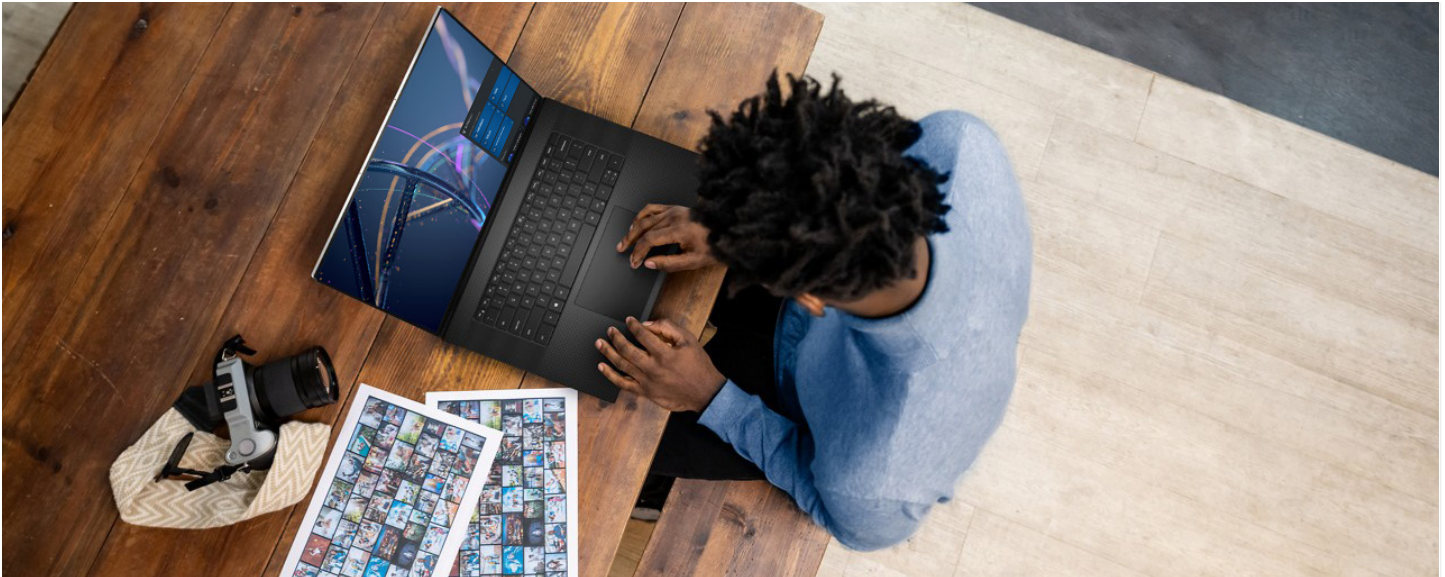
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## Explore the system that works for you

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

| | OptiPlex | | | Latitude Laptops | | | | Precision Mobile Workstation | | | Precision Workstation | | | Rugged Laptops | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3000 | 5000 | 7000 | 3000 | 5000 | 7000 | 9000 | 3000 | 5000 | 7000 | 3000 | 5000 | 7000 | 5430 | 7330 |
| Intelligent Privacy | | | | | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | | |
| Analytics | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| ExpressSign-In | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| ExpressCharge | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ | ✓ |
| ExpressConnect | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ExpressResponse | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Intelligent Audio | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

For availability by product, click here.

# We make it intelligent. You make it yours.

## To learn more, go to www.delltechnologies.com/optimizer.

1 Intelligent Privacy features include Onlooker Detection, Look Away Detect and ExpressSign-in. This feature is available on select Dell devices.

2 A 64-bit operating system is required to support 4GB or more of system memory.

3 ExpressConnect available with Dell Optimizer software version 2.0 and onwards.  Download the latest at https://www.dell.com/support/home.

4 *Disclaimer: Simultaneous multi-network connection (or Connection based teaming) is a new connectivity feature under ExpressConnect. It simultaneously sends and receives data and video traffic using two or more wired or wireless connections. Based on Dell internal analysis, September 2021.

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

6 The stated Watt Hour (WHr) is not an indication of battery life

7 Intel Rapid Storage Technology requires a HDD, mSATA, or an SSD, as primary storage device. See OS requirements

8 Wireless antenna and module available only at time of system purchase. Wi-Fi 6E availablity may vary by region.

9 Dell Latitude 9420 are brominated flame retardant free (BFR-free) and polyvinyl chloride free (PVC-free); meeting the definition of BFR-/PVC-free as set forth in the iNEMI Position Statement on the 'Definition of Low-Halogen Electronics (BFR-/CFR-/PVC-free)'. Plastic parts contain less than 1,000 ppm (0.1%) of bromine (if the Br source is from BFRs) and less than 1,000 ppm (0.1%) of chlorine (if the Cl source is from CFRs or PVC or PVC copolymers). All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total less than 1,500 ppm (0.15%) with a maximum chlorine of 900 ppm (0.09%) and maximum bromine being 900 ppm (0.09%).

10 Mobile Broadband Subject to service provider's broadband subscription and coverage area; additional charges apply.

11 Onsite Service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/warranty) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

12 Dell Services: Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.

13 GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors.

14 Miracast Wireless Technology: Requires a compatible media adapter (sold separately and can be integrated into the display) and an HDMI-enabled display.

15 Weights vary depending on configuration and manufacturing variability.

16 Available in US only.

17 Based on Dell analysis, November 2020

18 EPEAT Gold registered in the U.S. EPEAT registration varies by country and configuration. See www.epeat.net for registration status by country.

19 Based on Dell analysis, October 2020.

20 Based on a September 2020 analysis.

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

22 ExpressResponse must be enabled in the Applications feature. DO learns how user uses the selected applications over several hours. Based on Dell testing using Sysmark 2018 benchmark running productivity applications, March 2020. Improvement will vary based on product configuration, use, application and other factors.

23 ExpressSign-in available on Latitude 9000, 7000 and 5000 series. See product details for availability.

24 ExpressCharge with Dell Optimizer (DO) requires 14 days to learn the user's behavior, then dynamically applies appropriate battery settings. DO Adaptive Battery setting must be enabled in the Power feature settings labeled "Adaptive Battery Performance". Improvement will vary based on product configuration, use, software, operating conditions, power management settings and other factors. Improvements may decrease over time. System performance may be impacted. ExpressCharge can recharge system battery from 0% up to 80% within 40 minutes. After charging has reached 80% capacity, charging speed will return to normal speed. Recommended for use with the provided. Dell power adapter; not recommended with a smaller capacity power adapter. Charging time may vary +/-10% due to system tolerance. ExpressCharge Boost can recharge system battery from 0% up to 35% within 20 minutes when system is powered-off and battery temperature is between 16-45 degrees C. With ExpressCharge mode enabled, the system battery can then continue charging up to 80% within 40 minutes. After charging has reached 80% capacity, charging speed will return to normal speed. Recommended for use with the provided Dell power adapter; not recommended with a smaller capacity power adapter. Charging time may vary +/-10% due to system tolerance.

25 Based on Dell analysis, September 2020. Percentage of recycled content by weight.

26 Based on Dell internal analysis of battery life usage model calculations, Nov 2020. Results vary depending on usage and computing conditions.

27 Based on Dell internal analysis, November 2019.

28 Based on Dell internal analysis of battery life usage model calculations and 3 million keystrokes per year, Nov 2020. Results vary depending on usage and computingconditions.

29 Mobile Broadband Subject to service provider's broadband subscription and coverage area; additional charges apply.

30 Based on Dell analysis, February 2021.

31 Based on Dell analysis, September 2020. 21% bioplastics in LCD coverlid.

32 Based on the design, manufacture, packaging, product lifecycle maintenance and number of ecolabel registrations, including EPEAT Gold registrations for the Dell Precision, Latitude and OptiPlex portfolio as of May 2020.

* Based on Dell internal analysis of competitive PC performance software and applications. September 2021 AD#CLM-003280

***ExpressCharge must be enabled within Dell Power Manager software. System must be powered off or in hibernation mode for ExpressCharge feature to function.  After charging has reached the stated capacity, charging speed will return to normal speed.  Recommended for use with the provided Dell power adapter. Charging times may vary.

++ FirstNet and the FirstNet logo are registered trademarks of the First Responder Network Authority. All other marks are the property of their respective owners.

^ Disclaimer: Based on testing performed by Dell Labs in June 2020, comparing performance with ExpressConnect enabled and disabled.  Actual results may vary; testing results do not guarantee performance under test conditions. Subject to service provider's broadband subscription and coverage area; speeds may vary. Additional charges will apply. Contact your service provider for details.

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