World's most collaborative commercial PC[1]

Latitude 9450 2-in-1

Intel® Core™ Ultra processor

Most secure[2], intelligent[3] and manageable[4] commercial PC

World's only commercial PC with a Zero-Lattice Keyboard[1]
Wide, curved keys for improved tactile response and a comfortable and efficient typing experience.

Battery-Saving Mini-LED Backlit Technology
Reduces the keyboard's power usage by up to 75% and extends battery-life.[1]

5G connectivity
Truly embrace hybrid work with secure and reliable mobile broadband options.[2]

Exceptional battery life
The Latitude 9450 offers up to 1 hour of extended battery life.[8]

World's smallest 14" commercial PC[1]
Latitude 9450 2-in-1 fits a 14" screen in a 13" chassis.[1]

Premium materials & finish
Meticulously crafted using a high-precision CNC machining process. A stunning graphite color and seamless, diamond-cut edges complete the elegant look.

Luxurious display[7]
An expansive 16:10 InfinityEdge QHD+ display features plenty of room for productivity and beautifully detailed resolution.

World's only commercial PC with a Haptic Collaboration Touchpad[1]
Hear and feel customizable feedback every time you click the touchpad or using critical Microsoft Teams or Zoom[3] conferencing controls.

Look your best on every video call
An FHD IR camera with HDR technology accurately captures image detail in challenging lighting conditions.

Privacy protected with SafeShutter
With a manually controlled SafeShutter, you can rest easy that your privacy is protected. Open and close your camera shutter with just a simple tap of the F9 key.

Loud and clear conference calls
Conferencing sounds amazing with two mics and quad speakers, including two top-firing and two bottom-firing speakers.

Intentionally designed to lower environmental impact:
- Designed with a variety of sustainable materials including post-consumer recycled plastic, bio-based plastic, ocean-bound plastic, low emissions and recycled aluminum.[5]
- Meets the highest environmental standards for energy efficiency and climate impact.[6]

Industry's most secure commercial PC[4], only Dell:
- Offers off-host BIOS verification and Indicators of Attack to reduce exposure to future threats
- Integrates PC telemetry with industry-leading software to improve fleet-wide security
- Secured Component Verification, offered only by Dell, helps ensure PCs are secure from factory to first boot.
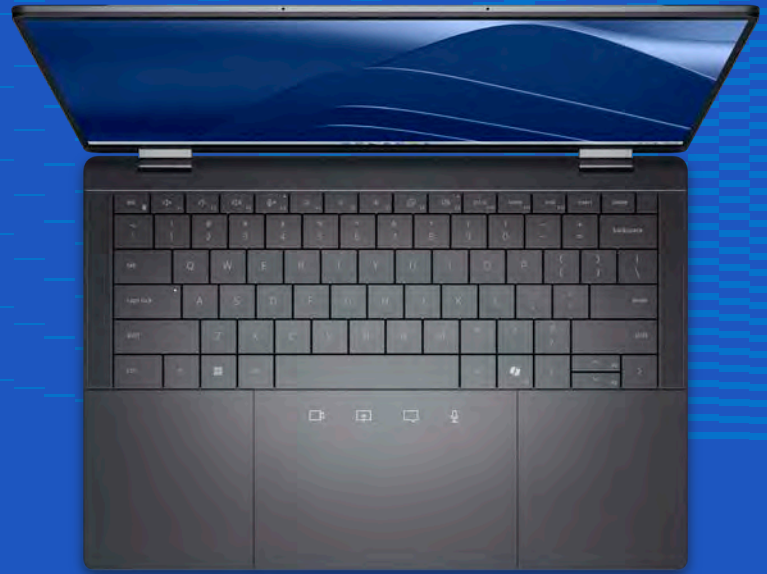
Military-grade durability
Passes MIL-STD 810H tests.

AI-enhanced performance and efficiency

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Unlock AI-enhanced performance and efficiency with Intel® Core™ Ultra processors and Copilot in Windows 11.

Intel® Core™ Ultra processor

The new Intel® Core™ Ultra processor combined with Intel vPro® delivers a secure hardware platform with premium performance and optimized power efficiency, ready to handle the next generation of AI workloads and the versatile management options that businesses require to stay ahead of the game.

Enjoy the next generation of performance hybrid architecture for supercharged computing with a battery that lasts thanks to a three tier multi-processing unit. Business users can manage complex workloads by sending the right task to the right engine at the right time with a CPU for lightweight low-latency AI tasks, GPU[1] for media and visual AI rendering, and NPU, a dedicated AI engine, for sustained AI and AI offload.

AI-enhanced apps

Apps optimized for NPU run faster and smoother, delivering more battery life.

Collaboration: Use up to 38% less power when utilizing AI-enhanced collaboration tools during Zoom calls.[2]

Creativity: 132% faster performance when running on-device AI photo editing on Adobe.[3]

Security: Detect malware with less than 1% CPU utilization using CrowdStrike.[4]

Copilot in Windows 11

Effortlessly jumpstart your workflow with the Copilot Hardware Key on your device, saving you time by providing quick access to the tools you need to start your workday.

Copilot in Windows[5] is your AI assistant at work. Supercharge your productivity and achieve more with less time and effort, while keeping sources private and protected. Copilot brings intelligent tools to your desktop so you can get better answers, sharpen skills, find fresh solutions, and create in new ways.

Sustainable innovation

Built with sustainable materials

The Latitude 9450 2-in-1 contains 22% recycled content by weight, and is made with low-emissions, 75% recycled aluminium in the lid and palmrest of the device.[1]

It is designed with a range of sustainable materials including low emissions aluminum, recycled aluminum, post-consumer recycled plastic, ocean-bound plastic and bio-based plastic.[2]

This laptop ships with an adapter designed with 95% post-consumer recycled plastic in the case and 98% recycled aluminum in the thermal shield.[3]

Low-impact packaging

Ships in packaging made with 100% recycled or renewable content and is 100% recyclable[4] with multipack options for even less waste.[5]

Responsible IT asset retirement

Dell APEX offerings and Asset Recovery Services make it easier for our customers to modernize responsibly, and reduce over-provisioning and e-waste, on schedule and within budget.

Dell makes it easy to access and replace parts to get the most life out of our products.

Learn more

Environmental Certifications & Registrations

Meeting environmental standards demonstrates how our products adhere to energy-efficiency specifications and other extensive climate-related standards. This laptop is Certified ENERGY STAR® 8.0, TCO certified, generation 9 and EPEAT gold registered with Climate+ designation.[6]

Dell
Optimizer

Powering the world's most intelligent commercial PCs[1] with AI-based optimization software that learns and responds to the way you work.

Experience the world's most intelligent collaboration experience[2]

Ease into your meetings with the collaboration touchpad. Use the touchpad surface to gain quick access to frequently used Zoom and Microsoft Teams[3] features such as screen share, chat, camera and microphone, to enjoy a better conferencing experience.

Up-level audio

Intelligent Audio senses your surroundings and improves the conferencing experience by removing unwanted sounds, alerts you when your voice quality is poor, and provides a better collaboration experience for you and all call participants.

2x
Faster network performance[4]

Network Optimization provides the world's first simultaneous multi-network connection for faster data and video downloads[5], and joins the best network[6] available.

Intelligent privacy anywhere

Get to work faster and keep your sensitive data private with our Presence Detection technology - which wakes your PC when you approach and locks it when you walk away.
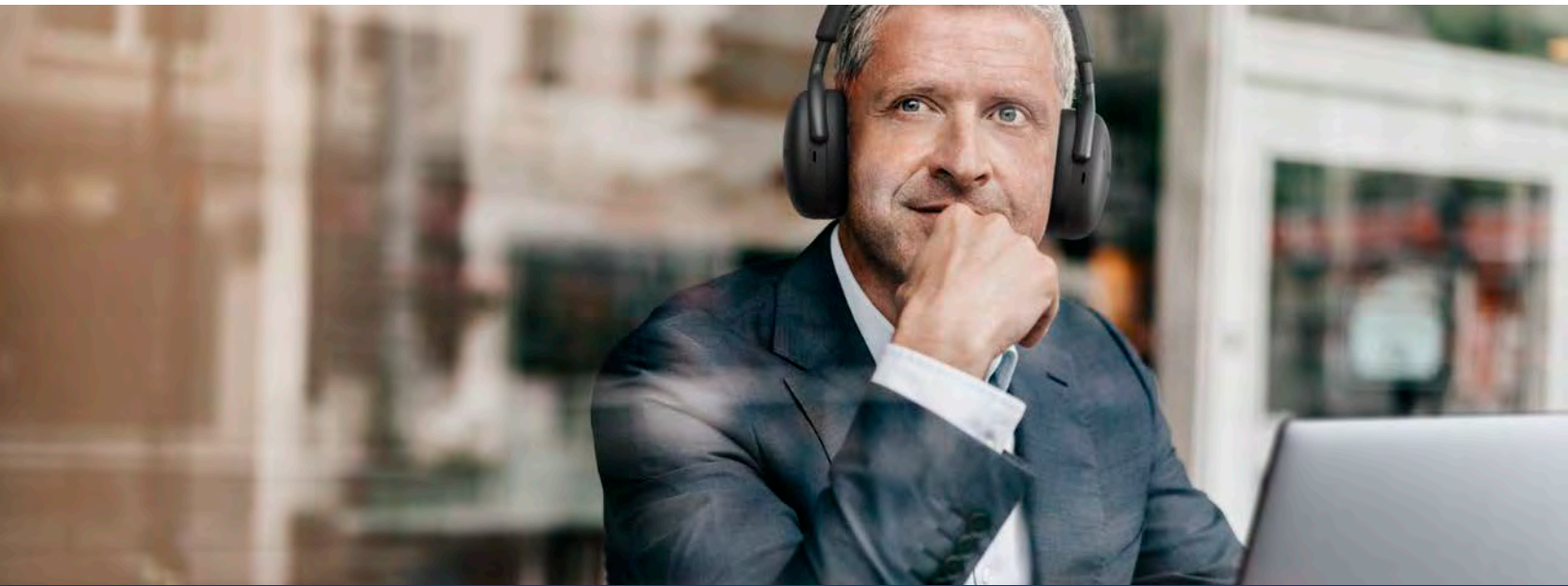
Get up to 18% in power savings[7]

Save energy without sacrificing performance for ultimate efficiency with Power Optimization. Achieve power savings when you set your PC to Quiet Mode on your thermal management settings — giving you up to 2.4 watts of power savings compared to default mode.

An intelligent ecosystem

Enjoy easy pairing and management of your Dell monitors and accessories with the integration of Dell Display Manager and Dell Peripheral Manager

D∕LL Technologies

Up-level your PC experience with Dell Displays and Accessories

Designed and tested to work Better Together

As the world's #1 monitor company[1], Dell knows that modern workplace requires more than PCs. We offer 200+ branded accessories to keep you connected and collaborative no matter your work style.

A   Dell UltraSharp 40 Curved WUHD Monitor - U4025QW

B   Dell 14 Portable Monitor - P1424H

C   Dell Collaboration Keyboard and Mouse - KM900

A

B

C

D

E

F

D   Dell Premier Wireless ANC Headset - WL7024

E   Dell EcoLoop Pro Classic Briefcase 14 - CC5425C

F   Dell Thunderbolt 4 Dock - WD22TB4

Customize your entire workspace, simplify management and enhance privacy with Dell Display Manager and Dell Peripheral Manager

▶ Discover more solutions for the modern workplace

D&LL Technologies

Simplify IT

Our most secure[1] and most manageable[6]
offerings make IT management a breeze

SECURITY

Improve fleet-wide security with multiple layers of defense

Reduce the attack surface and enhance long-term cyber resilience with Dell Trusted Workspace

Dell offers the industry's most secure commercial PCs[1] with protections competitors cannot match:

Be secure from first boot

Rigorous, state-of-the-art supply chain controls and Dell-unique Secured Component Verification reduce the risk of product tampering.

Spot ticking timebombs

Early-alert feature Indicators of Attack, offered only by Dell, scans for behavior-based threats.

Stay protected from evolving threats

Only Dell offers off-host BIOS and firmware verification, providing greater security than other PCs. The latest Intel vPro®-based PCs provide an estimated 70% attack surface reduction.[4]

Layer on advanced threat protection with software from our ecosystem of best-of-breed partners.

Only Dell integrates device telemetry with industry-leading software to improve fleet-wide security.

Learn More ›

MANAGEABILITY

Manage your fleet of PCs - reliably and easily

Help secure and optimize your endpoints and deliver end-user productivity with Dell Manageability Solutions

Dell Trusted Update Experience makes it simple to update endpoints, packing the latest BIOS, driver, and firmware versions. Dell is the only Top-5 PC vendor that:

Publishes[2] a device drivers and downloads release schedule:

IT Admins can deploy fleet-wide device updates on a predictable timeline.

Performs[3] integrated validation of all driver and BIOS modules in an update:

IT Admins can expect a trusted, system compatible update deployment, across a fleet of devices.

Learn More ›

Dell has the industry's first:[5]

- Binary Large Object (BLOB) package-based solution using Microsoft Intune
- Systems Management Solution to integrate with Workspace ONE
- Hardware OEM systems management solution to integrate with Intel vPro®

Legacy, scale and innovation

Dell Technologies is your trusted partner for the future of work

Dell Technologies APEX

1st

and most comprehensive[1]
As-a-service portfolio that spans
from multi-cloud to client devices.

Experience the flexibility to
transform your IT and deploy the
latest technologies at predictable
costs.

Dell APEX PC-as-a-Service
Fully customizable subscription
covers everything - devices,
software and services; available
from one-to-five-year terms.

**Dell APEX Managed Device
Service**
Fully managed, subscription
with a team of IT experts to keep
business devices up-to-date
and secure; and no year-long
commitment (US only).

Learn more>

AI-driven support services

36TB

Telemetry data processed
per day[2]
Evolving with you, using
machine learning and an AI
engine that learns fast. Trust
Dell Technologies to deliver
hyper-efficient, automated IT
support, drawn from decades
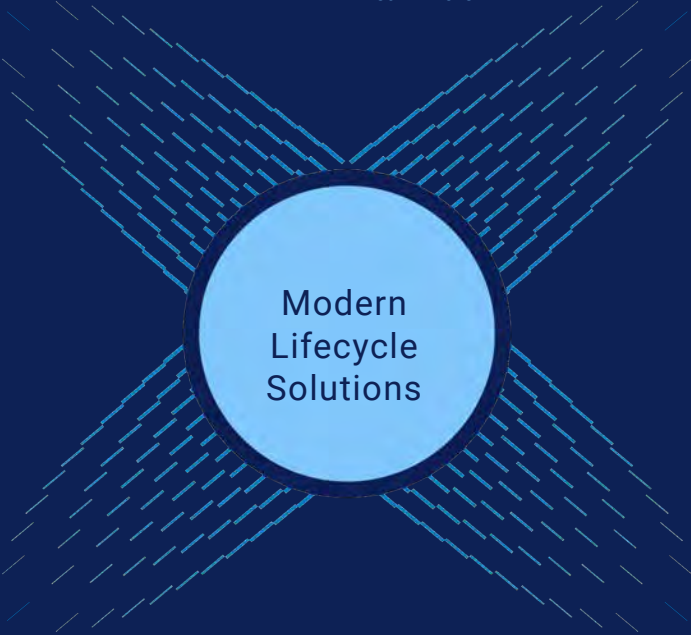of AI experience and
top-ranked services.

Learn more>

**ProDeploy Client Suite
for PCs**

30K+

PC's configured daily[3]
For organizations of any
size, find the right-sized
deployment solution to solve
an array of IT needs.

35 years of deployment
expertise from Dell ensures
seamless experiences for
configuration, imaging, and
provisioning; as well as asset
tagging and warehousing.

Learn more>

Modern
Lifecycle
Solutions

Asset Recovery Services

2.6B

Pounds of electronics
recovered since 2007[6]
Let Dell help you securely and
responsibly retire your old IT
equipment - regardless of brand –
to allow for a seamless transition
from old to new technology, while
protecting both your business and
the planet.

Learn more>

Dell Premier

297%

ROI over 4 years[5]
Modernize IT purchasing by
shopping your catalog in a tailored
online solution. Gain control
over the entire IT ecosystem to
cut costs, standardize ordering,
access analytics and more.

Learn more>

ProSupport Suite for PCs

641

Hours of admin time saved
per year[4]
With advanced telemetry and
AI, IT teams can remotely
manage the health of their
Dell fleet, anticipate and
resolve issues and automate
PC updates.

Learn more>

Ports & Slots
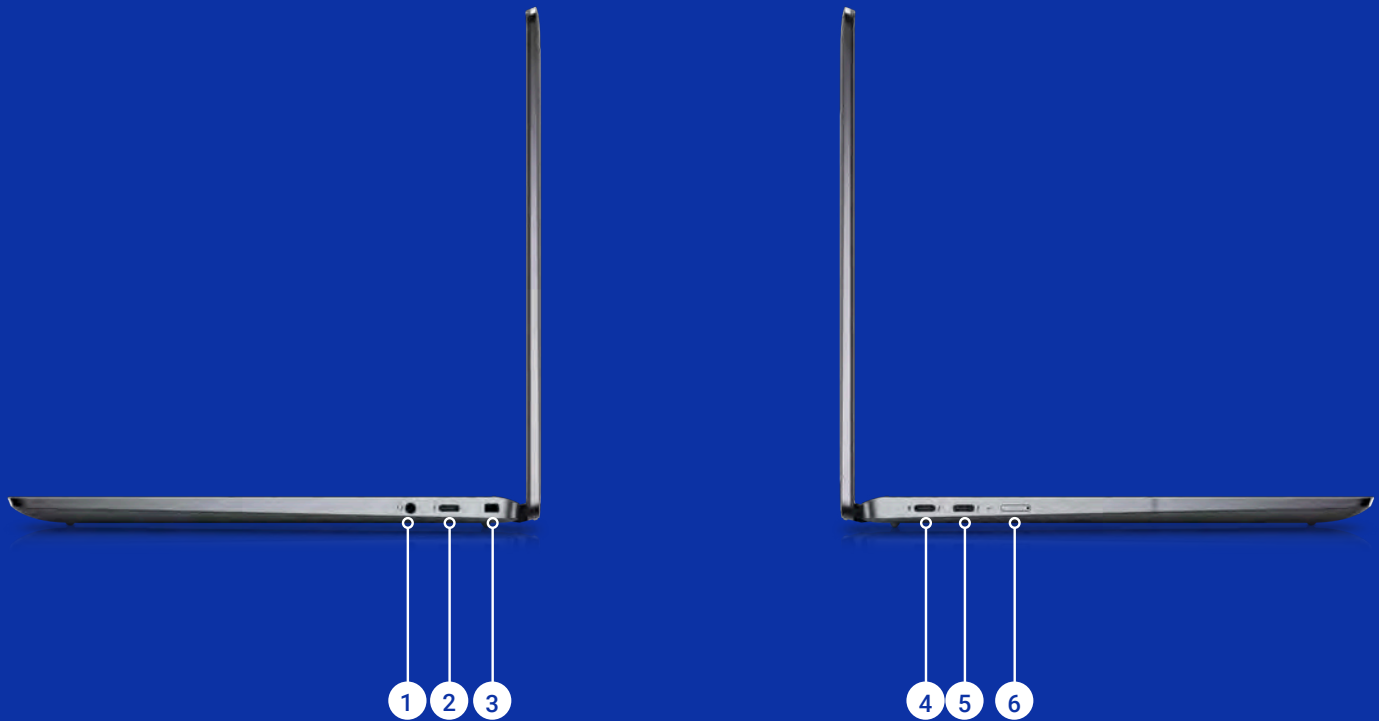
1. Universal audio jack
2. Thunderbolt™4 with Power Delivery & DisplayPort (USB Type-C)
3. Wedge lock slot
4. Thunderbolt™4 with Power Delivery & DisplayPort (USB Type-C)
5. Thunderbolt™4 with Power Delivery & DisplayPort (USB Type-C)
6. External nano SIM card tray option (WWAN configurations only)

⚠️ **Not All Technical Specifications Available Per System Configuration.**
Please search Dell.com/support for product owner's manual or contact your Dell Technologies sales expert.

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Latitude 9450 2-in-1
CHASSIS COLOR	Graphite
DISPLAY[1,17]	2-in-1 14" 16:10 QHD+ (2560 x 1600) Touch, Battery-saving, IPS, Anti-reflective and Anti-Smudge, Corning® Gorilla Glass® Victus, 500 nits, sRGB 100%, Comfort View Plus Low Blue Light, Intelligent Privacy, SafeShutter, Active Pen Support
PROCESSOR OPTIONS[1]	Up to Intel® Core™ Ultra 7 processors, MTL-U, vPro®
AI ACCELERATOR	This Latitude system features a neural processing unit (NPU). An NPU is a microprocessor that specializes in the acceleration of machine learning tasks. NPU helps to offset the resources from CPU and/or GPU, consumes low power and improves resource utilization when processing massive multimedia data such as video and images.
CHIPSET[1]	Integrated with the Processor
INTEL RESPONSIVENESS TECHNOLOGIES[1, 7]	Intel® Rapid Storage Technology
OPERATING SYSTEM[1]	Microsoft® Windows 11 Home 64 bit Microsoft® Windows 11 Pro 64 bit
GRAPHICS[2,17]	Intel® Graphics (Integrated)[23]
MEMORY[1, 2, 3]	Up to 64GB LPDDR5x SDRAM 7467 MT/s (on board)
STORAGE[1, 3]	SSD M.2 2230 PCIe/NVMe Class 35 256GB SED SSD M.2 2230 PCIe/NVMe Class 35 512GB SSD M.2 2230 PCIe/NVMe Class 35 512GB SSD M.2 2230 PCIe/NVMe Class 35 1TB SSD M.2 2230 PCIe/NVMe Class 25 2TB
HARDWARE SECURITY[1]	Dell SafeShutter™ - Manually control your shutter via F9 key for maximum security Dell Intelligent Privacy powered by Dell Optimizer - Texturizes the screen when a shoulder surfer tries to peek, dims the screen when user is disengaged. Face IR camera (Windows Hello compliant) with ExpressSign-in 1.0 (Proximity Sensor), ExpressSign-in 2.0 (Camera Sensing) Optional Windows Hello compliant fingerprint reader in power button Optional Touch Fingerprint Reader (in Power Button) with Control Vault 3.0+ Advanced Authentication with FIPS 140-2 Level 2 Certification
DOCKING[1]	Dell Business Thunderbolt Dock - WD22TB4 Dell Dual Charge Dock - HD22Q Dell USB-C Dock - WD19S Dell Performance Dock - WD19DCS Dell Universal Dock - HD22Q Dell 7-in-1 USB-C Multiport Adapter - DA310
CONNECTIVITY[1]	**Microsoft Modern Standby compliant** WiFi Display (Miracast) [14] **Wireless LAN Options[8]:** Intel® Wi-Fi 7 (6/6E where 7 unavailable) BE200, 2x2, Bluetooth 5.4 **Mobile Broadband Options:[10]** 5G - Qualcomm Snapdragon X62 Global 5G Modem (DW5932e), eSIM, WW 5G - Qualcomm Snapdragon X62 Global 5G Modem (DW5932e), eSIM, AT&T, T-Mobile, Verizon 5G - Qualcomm Snapdragon X62 Global 5G Modem (DW5932e), Non-eSIM, China only
CAMERA[1]	SafeShutter™ operated by F9 FHD HDR IR Camera with Built-in Collaboration Features Experience: Autofocus, premium background blur, eye contact correction*, variable light capability + TNR Gen4 + Intelligent Privacy + IPU6 + Proximity Sensor + Intel Camera Sensing Technology (ExpressSign-in 2.0™)
AUDIO & SPEAKERS[1]	2 x Top Firing Premium Speakers, 2 x Bottom Firing Premium Speaker, Waves MaxxAudio Pro, Smart Amplifier Universal Audio jack
MICROPHONE[1]	2 x Noise Canceling Microphones
BATTERY[1]	60 Whr[6] Li-Ion, ExpressCharge Boost™, ExpressCharge 1.0™, & Long Life Cycle capable, 3-cell
POWER[1]	60W AC adapter, Type-C, Ultralight Mini 60W AC Ultralight, Type-C, Mini adapter, 2-pin (Japan only) 65W AC adapter, USB Type-C, EcoDesign 100W AC adapter, Type-C
PORTS[1,17]	3 x Thunderbolt™4 with Power Delivery & DisplayPort (USB Type-C) 1 x Universal Audio Jack 1 x Optional Touch Fingerprint Reader in Power Button
SLOTS[1]	1 x External nano SIM card tray option (WWAN only) Wedge Lock slot
TOUCHPAD	3-panel Haptic Collaboration Touchpad (Collaboration icons work with Zoom and Microsoft Teams)

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FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Latitude 9450 2-in-1
INPUT[1]	10-Finger Touch Display 3-panel Haptic Collaboration Touchpad Zero-Lattice Spill Resistant Keyboard with Battery-Saving Backlit Dell Premium Rechargeable Active Pen PN7522W (optional, sold separately)
SENSORS[1]	Low power vision AI based user presence detection, Windows auto brightness, Gyroscope, eCompass/Magnetometer, Accelerometer, GPS (via WWAN Card only), Screen rotate support, Hall effect sesnor, Sensor hub, Ambient Light Sensor, Adaptive Thermal Performance (via Gyroscope/Accelerometer), Dell ExpressSign-In 1.0 (via Proximity Sensor), Dell ExpressSign-in 2.0 (via Intel Camera Sensing Technology), Wake/Power on with lid open
DIMENSIONS[1, 15]	12.20" x 8.47" x 0.64" (rear) / 0.59" (front) 310.59mm x 215.18mm x 16.28mm (rear) / 14.92mm (front) Screen to Body: 91.5% Starting weight: 3.38lbs / 1.53kg
WHAT'S IN THE BOX	Latitude 9450 2-in-1, Power Adapter of your selection, Power cord, USB-C to USB-A Nano Dongle, Documentation

Leading the industry in sustainable practices to reduce the environmental impact of our products and packaging.
Learn more: Dell.com/sustainable-devices

FEATURE	TECHNICAL SPECIFICATION	DESCRIPTION
MODEL NUMBER[1]	**Latitude 9450**	
SUSTAINABLE MATERIALS[1]	**Post-consumer recycled plastic (PCR) and closed loop ITE derived plastic - chassis** Closed loop ITE derived plastic-NA Post-consumer recycled plastic[2]:90% recycled plastics in the battery housing, 30% recycled plastics in speaker housing, 75% recycled plastics in the keycaps	Post-consumer recycled plastic is plastic waste generated by households, industrial, commercial or institutions repurposed in the PC design. Closed loop plastic is reclaimed plastic from any disposed IT product repurposed in the PC design.
	Post-consumer recycled plastic (PCR) - power adapter[3] (65-Watt): 95% in adapter case, inlet (100-Watt): 90% in adapter case (60-Watt): 50% in adapter case	
	Recycled aluminum - power adapter[3] (65-Watt): 98% recycled aluminum in thermal shielding	Recycling aluminum helps divert material from landfills, where it would otherwise contribute to the growing problem of waste disposal. Aluminum is durable and does not degrade during the recycling process, making it a material that can be recycled repeatedly.
	Recycled and low emissions aluminum[7]: 75% recycled aluminum and 25% low emissions aluminum in the lid and palmrest	The combination of using low emissions aluminum which is aluminum derived from a hydropower source and recycled aluminum helps reduce the carbon footprint of the material by up to 90%[8]
	Recycled copper - power adapter (100-watt): 50% recycled copper in adapter cable	Recycling magnesium helps conserve natural resources by reducing the demand for virgin magnesium extracted from minerals like dolomite or magnesite. The extraction and refinement of magnesium from its ore can be energy-intensive, making recycling magnesium a more sustainable option
	Recycled ocean-bound plastic[3]: 28% ocean bound plastic in fan housing	Recycling copper helps preserve finite natural resources because it reduces the need for extensive mining and extraction of copper ore that is a more energy intensive process
	Bio-based plastic[3]: 42% bio-based material in the feet at the bottom of the device	Bio-based materials that are derived from non-petroleum-based biological resources.
	Recycled or renewable packaging materials[9] 100% recycled or renewable and recyclable packaging	Using recycled or renewable materials lowers waste and helps lower environmental impact. Materials may include recycled content and/or renewable content, in the form of sustainably forested fibers.
ECO-LABELS[1,10]	**EPEAT Climate+™** Yes	This is a product level designation for EPEAT-registered products which meet the industry's best climate criteria.
	EPEAT Gold	Meeting globally recognized eco-label certifications for sustainable IT, our customers can trust that Dell products adhere to the highest energy-efficiency specifications and other climate-related standards. Product registry: https://www.epeat.net/
	TCO Certified, Gen 9 Yes	TCO Certified is a leading sustainability certification for IT products, with a comprehensive system of up-to-date criteria and independent verification. Product registry: https://tcocertified.com/product-finder/
	Energy Star 8.0 Yes	Energy Star 8.0 is a specification recognizing the most energy-efficient PC's, backed by Environmental Protection Agency (US).
MULTI-PACK SHIPPING[1,11]	**Dell Multi-pack:** 7350 7450	Dell Multi-pack offers a simpler, more efficient unboxing experience vs. single pack products, with less packaging waste and better pallet optimization for transportation.
ASSET RECOVERY SERVICES[6]	**Asset Recovery Services** Yes	Asset Recovery Services helps our customers resell, recycle or return-to-lease legacy IT equipment in a secure and sustainable manner, while unlocking value that can be put towards future innovation.
GLOBAL COMPLIANCE	For global compliance to regulations worldwide please visit dell.com/support	
REGULATORY[4,6]	Product Safety, EMC and Environmental Datasheets Dell Regulatory Compliance Home Page Dell and the Environment	

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Dell Optimizer, our AI-based optimization software, learns and responds to the way you work providing improved application and device performance, clearer audio and more.
Learn more: Dell.com/Optimizer

FEATURE	TECHNICAL SPECIFICATION	DESCRIPTION
MODEL NUMBER	**Latitude 9450**	
DELL OPTIMIZER	Power Optimization	Intelligent features to protect battery life and delivery energy savings. AI-based Dynamic Charge Policy adapts to usage behavior to apply optimal charge setting. Intelligent Battery Extender preserves runtime by making system adjustments when battery is low. Advanced Charge will charge battery before start of day and prevent overcharging. ExpressCharge will provide up to 90% charge in one hour.[12] Select lower energy-cost times of day to charge with Peak Shift. Thermal settings (optimized, cool, quiet, ultra performance) to balance PC performance and fan noise. Battery health report. Critical firmware alerts and notifications.
	Intelligent Audio	AI-based neural noise technology removes intrusive background sounds, echoes, and reverb caused by room acoustics from all ends of conference calls as well as mutes all background noises when no speech is detected. Will also provide automated tuning for optimized sound quality and on-screen notifications if voice quality drops in conference calls.
	Presence Detection	Sensors detect your presence, and onlookers, to conserve battery runtime and protect screen privacy. Wake on Approach awakens system and works with Windows Hello to sign you in, hands free. Look Away Dim darkens your screen and Walk Away lock turns off your display helping protect runtime and provide screen privacy. Keep Alive feature won't let your screen dim when you are still present but are not actively engaging with your PC. Onlooker Detection will alert you or obscure your screen to provide privacy.
	Network Optimization	Automatically switches to the best allowable Wi-Fi network when congestion is detected and uses multiple wired and wireless network connections to transfer data up to 2x faster and improve download speed.[13] Allocates the maximum bandwidth to conference application when you are on a call.
	Intelligent Ecosystem	Automatically switches to the best allowable Wi-Fi network when congestion is detected and uses multiple wired and wireless network connections to transfer data up to 2x faster and improve download speed.[13] Allocates the maximum bandwidth to conference application when you are on a call.
	I	

Improve fleet-wide security with hardware and software protections from Dell Trusted Workspace.

Learn more: Dell.com/endpoint-security

FEATURE	TECHNICAL SPECIFICATION	DESCRIPTION
MODEL NUMBER	Latitude 9450	
HARDWARE & FIRMWARE SECURITY (INCLUDED)	Dell Trusted Device Application	Generates insights into the security state of a platform, monitoring changes to BIOS attributes, detecting possible tampering of BIOS firmware, and more.
	Dell SafeBIOS	Verify the integrity of the BIOS with tamper detection and secure, off-host BIOS image capture.
	Dell SafeBIOS Indicators of Attack	Scan for behavior-based threats for early detection by enabling telemetry integration with popular third-party security and endpoint management solutions. Includes Microsoft Intune, Carbon Black Cloud, CrowdStrike, Splunk.
	Dell SafeBIOS Common Vulnerabilities & Exposures (CVE) Detection	Identify and address known BIOS vulnerabilities and provides recommendations how to fix them. *Available early 2024.
HARDWARE & FIRMWARE SECURITY (OPTIONAL)	Dell SafeID	Secure end-user credentials. This unique hardware-based security solution provides a hardened and secure bank for storing and processing user credentials. Dependent on model. Credential security options may include: • Secure interaction with Imprivata for authenticating credentials on multi-user devices • Finger Print Reader in Power Button tied to ControlVault 3.0+ • ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification
	Dell Secured Component Verification	Provides assurance that the device and its components remain secure from factory to first boot. On-device and cloud-based options available. Availability varies by region.
	Tamper-evident packaging	Detect tampering with this supply chain assurance offering. Availability varies by region.
	Hard drive wipes	Sanitize the hard drive in accordance with National Institute of Standards and Technology (NIST) guidelines with this supply chain assurance offering. Availability varies by region.
	Dell SafeShutter	Ensure user privacy with webcam shutter.
	Intel ME Verification	Verify the integrity of critical firmware using a secure off-host source. Requires Intel vPro.
	Chassis intrusion switch	Remotely detects hardware tampering and is integrated with Dell SafeBIOS Indicators of Attack.
	Wedge-shaped lock slot	Device locking option helps reduce the risk of a data breach. Standard slot that can be paired with a standard security cable lock. Spec varies by model: • Dell Fixed Workstations (Desktops): Kensington Security Slot™ (T-bar) • Dell Laptops: Kensington Security Slot™ (Wedge)
	Fingerprint reader	Fingerprint reader in Power button tied to ControlVault 3+ secures end-user credentials.
	OPAL drive / Self-encrypting drive (SED)	Hardware-based full disk encryption that protects user data without storing encryption keys in RAM where it can be accessed by malicious parties.
	SPI Flash Tamper Detection Circuit	Detects and prevents tampering with BIOS SPI flash chips on the motherboard.
SOFTWARE SECURITY (OPTIONAL)	Dell SafeGuard & Response: CrowdStrike, Carbon Black, Secureworks	Threat detection and response/remediation
	Dell SafeData: Absolute	Self-healing for applications and networks
	Dell SafeData: Netskope	Cloud and network data protection
	McAfee Business Protection	Simple, automated, all-in-one security made for small businesses

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Securely manage & optimize your endpoints and deliver end-user productivity with Dell Manageability Solutions.
Learn more: Dell.com/command

FEATURE	TECHNICAL SPECIFICATION	DESCRIPTION
MODEL NUMBER[1]	**Latitude 9450**	
MANAGEABILITY SOLUTIONS (INCLUDED)	Dell Client Command Suite	Streamline how you deploy drivers, configure BIOS, monitor devices, and manage updates.
	Dell Trusted Update Experience	Simplify how you update your endpoints with latest BIOS, driver, and firmware versions.
	DellSupport Assist - Home, Business, OS Recovery	

Modernize IT with comprehensive lifecycle services and support.
Learn more: Dell.com/support

FEATURE	TECHNICAL SPECIFICATION	DESCRIPTION
MODEL NUMBER	**Latitude 9450**	
SUPPORT SERVICES (OPTIONAL)[5,6]	ProSupport for PCs	Hardware break/fix with next business day service, 24x7 in-region technical technical support on hardware and software issues. Includes access to SupportAssist for proactive issue resolution and AI-powered fleet insights.
	ProSupport Plus for PCs	Hardware break/fix with next business day service, 24x7 priority access to in-region technical support for hardware and software issues PLUS Accidental Damage coverage, Keep Your Hard Drive and a Service Account Manager (with 500 devices). Includes access to SupportAssist for proactive and predictive automations and AI-powered fleet insights.
	ProSupport Flex for PCs	Flexible options to supplement in-house IT (1,000 device requirement) - Change to: Hardware break/fix with next business day service, 24x7 in-region technical support on hardware and software issues and a Service Account Manager plus the OPTION to choose Accidental Damage coverage or Keep Your Hard Drive. Includes access to SupportAssist for proactive and predictive automations and AI-powered fleet insights.
DEPLOY SERVICES (OPTIONAL)[6]	ProDeploy Flex for Client	ProDeploy Flex allows customers with specific deployment needs to mix and match standardized options to fit their needs.
	ProDeploy Essentials for Client	From initial PC setup and preparation to data transfer, whether remote or onsite, ProDeploy Essentials is geared toward limited interruption for the end user.
	ProDeploy for Client	ProDeploy partners with IT to apply common customization of hardware settings and software so systems meet IT specifications for security, software and network protocols.
	ProDeploy Plus for Client	With ProDeploy Plus, we bring it all together to take care of end-user needs and efficiently meet IT specifications while working with IT teams to plan, configure and deploy systems that are ready-to-work, using modern solutions.
	Asset Recovery Services	Securely and responsibly retire legacy IT equipment and unlock value to fund new innovation and help your business grow.
	Logistic Services	Warehouse your products at our facility for up to 180 days and take delivery on the day and time that best meets your needs. Schedule your IT resources to be in place when you need them — on the exact day the new systems arrive. Available in NA, EMEA and APJ.
	Configuration Services	Image Load, Asset Tag, BIOS Customization, HDD Partitioning, Software Installation, Laser Etch, Data Security.
MANAGE SERVICES (OPTIONAL)[6]	Lifecycle Hub	Combines warehousing and inventory management with configuration services and deployment expertise into one end-to-end solution. With included return, repair, and refurbishing services, Dell Lifecycle Hub helps keep employees working, maximizes use of device inventory and frees up IT resources to focus on business priorities. Available in US, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Poland, Portugal, Slovakia, Spain, Sweden, UK.
	Managed Detection and Response Pro Plus	A fully-managed, 360-degree security operations solution designed to prevent threats, quickly detect and contain attack attempts, and help recover your IT environment in the event of a breach.

DELLTechnologies

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	**Latitude 9450**
WARRANTY[4,6]	1 Year Basic Warranty with Hardware Onsite Service
	2-5 Year Basic Warranty Extension
SERVICES TERMS[6]	1-5 Year ProSupport Next Business Day Onsite Service
	1-5 Year ProSupport Plus for Client
ACCIDENTAL DAMAGE[1]	1-5 Year Accidental Damage Services

Legal disclaimers

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1. Applies to Product launched March 2024. Based on Dell analysis of publicly available information, October 2023
2. Based on Dell internal analysis, September 2023. Applicable to PCs on Intel processors. Not all features available with all PCs. Additional purchase required for some features.
3. Based on Dell analysis, November 2023. Dell Optimizer not available in OptiPlex 3000 series, Latitude Chromebook Enterprise, and Linux-based devices. Feature availability and functionality may vary by model. For more details visit: https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/technical support/dell-optimizer-features-availability-matrix.pdf.external
4. Based on Dell internal analysis, January 2024. Most-manageable commercial PCs when comparing the systems management capabilities of Dell Update Processes, Dell Manageability Solution capabilities and integrations with 3rd Party Management Solutions, with competitor update processes, systems management solution capabilities and integrations with 3rd party management solutions. 3rd Party Management Solutions - Microsoft Intune, Workspace ONE, are separate purchases. Intel vPro, to support out-of-band systems management, is an additional system configuration upgrade.

Page No 2

1. Applies to Product launched March 2024. Based on Dell analysis of publicly available information, October 2023
2. Configurations with 5G not available at launch. Feature availability timelines will vary based on region and laptop configuration. 5G module is optional and must be selected at purchase. 4G and 3G Backwards compatible. Actual speeds will vary depending on the carrier network, users, location and other factors. Subject to service provider's subscription and coverage area. Additional charges will apply. Contact service provider for details.
3. Collaboration icons are only visible during Zoom or Microsoft Teams calls. Compatible video conferencing platforms are subject to change.
4. Dell has the industry's most secure commercial PCs with built-in below the OS security features that our competitors cannot match. Based on Dell internal analysis, September 2023. Applicable to PCs on Intel processors. Not all features available with all PCs. Additional purchase required for some features.
5. Based on internal analysis, January 2024.
6. Based on internal analysis, January 2024. Based on EPEAT Climate+ Designations achieved in all applicable countries. EPEAT registered where applicable. EPEAT registration varies by country. See http://www.epeat.net/ for registration status and tier levels.
7. High-Efficiency Video Coding (HEVC) content playback on the system and on an external display as well as HEVC content streaming is supported on configurations with a discrete graphics card, built in 4K panel, Dolby Vision or CyberLink Blue-ray player; for other configurations HEVC content playback on the system will require a separate purchase and download of software HEVC codec or third-party media players.
8. Latitude 9450 tested with U7-165U, 16GB memory, 512GB SSD. Based on testing using the Mobile Mark 2025 battery life benchmark test in February 2024. For more information about this benchmark test, visit www.bapco.com. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time

Page No 3

1. High-Efficiency Video Coding (HEVC) content playback on the system and on an external display as well as HEVC content streaming is supported on configurations with a discrete graphics card, built in 4K panel, Dolby Vision or CyberLink Blue-ray player; for other configurations HEVC content playback on the system will require a separate purchase and download of software HEVC codec or third-party media players.
2. Based on internal testing on generic devices, as measured by system on chip (SOC) package power during 1x1 Zoom call with background blur on NPU on Intel Core Ultra 7 165H processor comparing to 13th Gen Core i7 1370P processor. Learn more here: Intel® Core™ Ultra Processors - 1 | Performance Index
3. Based on internal testing on generic devices, as measured by an AI video editing workload using Adobe Premier Pro Beta on Intel Core Ultra 7 165H processor, comparing to 13th Gen Intel Core i7-1370P processor. Learn more here: Intel® Core™ Ultra Processors - 1 | Performance Index
4. <1% CPU usage when running on-device AI based security like CrowdStrike. Based on Intel and CrowdStrike testing. Results may vary. These results should not be taken with the understanding that the ratio of CPU usage, memory usage, or inference time between CPU only and CPU+NPU will remain the same with a different/smaller model− even one using the same neural architecture as the model under test. This is also not a general claim about the performance of other models on the NPU, even other CNNs. The result should only be taken as an understanding that, for this specific Convolutional Neural Network (CNN) model developed by CrowdStrike, a smaller distilled model of the same design would likely have an average inference time after the first of <= ~25ms and a CPU overhead <= ~1%. Note that featurization/
tokenization
   were not measured as part of this test. The model was tested using the OpenVINO framework.
    Learn more here: https://www.crowdstrike.com/blog/crowdstrike-and-intel-research-advance-endpoint-security/
5. Timing of feature delivery and availability varies by market and device. Use Copilot with a Microsoft Account or use Copilot with commercial data protection at no additional cost by signing into a work or school account (Microsoft Entra ID) with Microsoft 365 E3, E5, F3, A3 or A5 for faculty, Business Premium, and Business
Standard.
   Coming to more Entra ID users over time.

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1. Based on internal testing, November 2023
2. Based on internal analysis, January 2024. 42% bio-based rubber in the feet, 90% recycled plastics in the battery housing, 30% recycled plastics in speaker housing, 75% recycled plastics in the keycaps, 75% Low-emissions, recycled aluminum in the lid and palmrest.
3. Based on internal analysis, February 2024.
4. Contains 71.7% recycled content and 28.3% renewable materials. Renewable materials in the form of sustainably forested fibers. Percentages may vary slightly by region. Excludes optional items added to order and included in box. Paper packaging materials can be recycled via municipal recycling, where available. System bag is made from recycled plastic and can be recycled along with other thin plastics. See local recycling guidelines.
5. Based on internal analysis, January 2024.
6. Based on internal analysis, January 2024. Based on EPEAT Climate+ Designations achieved in all applicable countries. EPEAT registered where applicable. EPEAT registration varies by country. See http://www.epeat.net/ for registration status and tier levels.

Disclaimers continued

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5. 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 wired or wireless connections. Based on Dell internal analysis.

Page No 5

1. Based on Dell analysis, November 2023. Dell Optimizer not available in OptiPlex 3000 series, Latitude Chromebook Enterprise, and Linux-based devices. Feature availability and functionality may vary by model. For more details visit: https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/technical-support/dell-optimizer-features-availability-matrix.pdf.external

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

3. Microsoft Teams and Zoom are compatible with the Haptic Collaboration Touchpad. Conferencing platforms subject to change.

4. 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

5. 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 wired or wireless connections. Based on Dell internal analysis.

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

7. This is based on a Dell internal study, testing power and performance within our Dell Optimizer power module. White paper published November 2022 https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/industry-market/maximizing-power-efficiency-with-dell-optimizer-a-case-study.pdf

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1. IDC Worldwide Quarterly PC Monitor Tracker, Q3 2023

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1. Dell has the industry's most secure commercial PCs. (Claim Details: Cover page - #1)

2. Dell publishes a device drivers and downloads release schedule. Source: Source: Based on internal analysis, May 2023. When comparing publicly available device drivers and downloads release schedules published by the Top 5 PC vendors, as of May 2023.

3. Dell performs integrated validation of all driver and BIOS modules in an update. Source: Based on Dell internal analysis, May 2023, of integrated validation approaches of Top 5 PC vendors, for driver and BIOS modules in an update, by currently shipping and future-state product system images.

4. Only Dell offers off-host BIOS and firmware verification, providing greater security than other PCs. Details: The latest Intel vPro based PCs provide an estimated 70% attack surface reduction compared to four-year-old devices. Based on IOActive's "Intel vPro 13th Gen Attack Surface Study" published March 2023 (commissioned by Intel), which evaluates Intel vPro devices powered by 13th Gen Intel Core processors against four-year-old Intel-based PCs on Windows OS. Details at www.intel.com/performance-vpro. Results may vary.

5. Most Manageable Commercial PC. Based on Dell internal analysis, January 2024. Details: Most manageable commercial PC when comparing the systems management capabilities of Dell Update Processes, Dell Manageability Solution capabilities and integrations with 3rd Party Management Solutions, with competitor update processes, systems management solution capabilities and integrations with 3rd party management solutions. 3rd Party Management Solutions - Microsoft Intune, Workspace ONE, are separate purchases. Intel vPro, to support out-of-band systems management, is an additional system configuration upgrade; and Dell has the industry's first:

   a. Dell Command | Endpoint Configure for Microsoft Intune - the industry's first Binary Large Object (BLOB) package-based solution, for securely configuring & managing endpoints, using Microsoft Intune. Disclaimer: Industry's first device manageability solution to use a Binary Large Object (BLOB) package, recognized by Microsoft Intune,forsecure endpoint configuration and management

   b. Dell Client Command Suite – the industry's first Systems Management Solution to integrate with VMWare Workspace ONE, for secure BIOS, firmware, OS and update management of PCs, from the cloud. Disclaimer: Based on Dell internal analysis, July 2023

   c. Dell Command | Intel vPro Out of Band– the industry's first hardware OEM systems management solution to integrate with Intel vPro - for remote management of systems, regardless of power-state. Disclaimer: Based on Dell internal analysis, November 2023

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1. Dell Technologies APEX offers the 1st and most comprehensive As-a-service portfolio that spans from multi-cloud to client devices. Source: Based on Dell internal analysis, April 2023. Payment solutions provided to qualified commercial customers by Dell Financial Services through Dell Technologies group companies or authorized business partners. Solutions may be changed without notice and are subject to product availability, eligibility, credit approval, acceptable documentation and local applicable law Some solutions, including end of term purchase options, may not be available or may vary by country. Within the EU, the EEA, the UK and Switzerland certain solutions are provided by Dell Bank International d.a.c. and its local branches, including by Dell Bank International d.a.c Sucursal en España in Spain. Dell Bank International d.a.c. is regulated by the Central Bank of Ireland. Dell Technologies and Dell logos are trademarks of Dell Inc.

2. Dell Technologies processes 36TB of telemetry data per day. Source: Based on Dell internal analysis, November 2023.

3. ProDeploy Client Suite for PCs configures 30K PC daily. Source: Based on Dell internal analysis, April 2023.

4. ProSupport Suite for PCs saves 641 hours of IT admin time per year* (on recurring tasks for a 1,000-device fleet. *vs. a manual approach based on data extrapolated from hands-on testing). Source: Based on a Principled Technologies test report, "Simplify PC management and save IT admin time with an automated support service," dated September 2023. Testing commissioned by Dell, conducted in the United States. Actual results will vary. Full report: https://facts.pt/PELu7lm

5. Dell Premier offers up to 297% ROI, or return on investment, over a span of 4 years. Source: Based on a Forrester Total Economic Impact™ Study Commissioned by Dell Technologies and Intel, "The Total Economic Impact™ Of Dell Premier Solutions", August 2021. These findings were aggregated into a 15,000-employee composite organization to create a four-year financial model that calculates the likely ROI a company should expect by adopting Dell Premier. Actual results may vary. Full study https://tools.totaleconomicimpact.com/go/dell/premiersolutions/

6. Dell Technologies has recovered 2.6 billion pounds of electronics since 2007. Source: Based on Dell internal analysis of publicly available data, April 2023.

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1. Offering may vary by country and by configuration and Operating System

2. Intel® Arc™ graphics - only available on selected Intel® Core™ Ultra 1xxH (H-series processors), powered systems with at least 16GB of system memory in dual channel configuration (2x8GB). Intel® graphics – used on Intel® Core™ Ultra 1xxU processors (U-series processors).

3. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

Disclaimers continued

3. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
4. Limited Hardware Warranty: For copy of Limited Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or
   see www.dell.com/warranty

5.
   a. Dependent on model, uses Dell ControlVault Dedicated FIPS Level 3 security chip or Dell-unique FIPS 140-2 Trusted Platform Module to secure end user credentials.

   b. Offer varies by region.
   c. Requires Dell Trusted Device software.

6. The stated Watt Hour (WHr) is not an indication of battery life. Express Charge 1.0 (EC1.0) enables quick battery charging to 80% capacity in 60 min or 100% capacity in
   120min. Express Charge 2.0 (EC2.0) enables quick battery charging to 80% capacity in 35min. Express Charge Boost (ECB) enables quick battery charging to 35%
capacity
   in 20min. Charging patterns for EC1.0, EC2.0 and ECB are measured for the system in the shutdown state. Long life cycle battery has the charging pattern to enable
longer
   life. Long-life cycle battery is capable of 3 years life, or 1000 discharge/charge cycles and Dell provides 3 years limited hardware warranty for this battery.
7. Requires Wyse Managment Suite Pro. Requires Dell ThinOS (2303 or above) activation license with Wyse Management Suite Pro and Dell ProSupport for Software seat
   license sold separately. The Latitude All-in-One systems need to be configured with 8 GB Memory, 128 GB or higher capacity SSD/HDD and Ubuntu Linux with Dell Client
   Agent Enabler (DCA-Enabler). For more details, refer to the Dell ThinOS Installation and ThinOS Activation License User Guide on www.dell.com/support.
8. Wi-Fi7/6e which has the 6Ghz band requires Windows 11 Operating system and compatible router. Router requires a separate purchase. WiFi 7/6E (6GHz) connectivity is
   only available in select locations. Check availability with your service provider. The Wi-Fi 7 card will operate on Wi-Fi 6E/6 speeds when Wi-Fi 7 is unavailable. Drivers for
   Wi-Fi 7 will be available mid-2024 (Win11 24H2 update). Dates are subject to change without notice. Ubuntu OS will not support Wi-Fi7 and will operate on WiFi 6/6E
   speeds when configured for WiFi7. The Bluetooth wireless card version may vary depending on the operating system that is installed on your computer.
   900 ppm (0.09%) and maximum bromine being 900 ppm (0.09%).
10. Mobile Broadband antenna and module (for 2-in-1 devices) available only at time of system purchase. Mobile Broadband subject to service provider's broadband
    subscription and coverage area; additional charges apply. eSim technology subject to regional carrier/service provider availability & service provider's data plan
    subscription; additional charges apply. Check availability with your service provider.
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. Significant system memory may be used to support graphics, depending on system memory size and other factors.
15. Weights vary depending on configuration and manufacturing variability.
16. Available in US only
17. High-Efficiency Video Coding (HEVC) content playback on the system and on an external display as well as HEVC content streaming is supported on configurations with
    a discrete graphics card, built in 4K panel, Dolby Vision or CyberLink Blue-ray player; for other configurations HEVC content playback on the system will require a separate
    purchase and download of software HEVC codec or third-party media players.

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1. Not all technical specifications available per system configuration. Offering may vary by region. Some items may be available after product introduction. For complete
   details, refer to the Owner's Manual published on www.dell.com/support.
2. Based on internal analysis, January 2024. 42% bio-based rubber in the feet, 90% recycled plastics in the battery housing, 30% recycled plastics in speaker housing, 75%
   recycled plastics in the keycaps, 75% Low-emissions, recycled aluminum in the lid and palmrest.
3. Based on internal analysis, February 2024.
4. Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty.
5. Contains at least 92.9% recycled content and at least 6.1% renewable materials. Renewable materials in the form of sustainably forested fibers. Percentages may vary
   slightly by region. Excludes optional items added to order and included in box. Paper packaging materials can be recycled via municipal recycling, where available. System
   bag is made from recycled plastic and can be recycled along with other thin plastics. See local recycling guidelines.
6. Dell Services: Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.
7. Based on internal analysis, February 2024
8. Based on internal analysis, February 2024
9. Contains 71.7% recycled content and 28.3% renewable materials. Renewable materials in the form of sustainably forested fibers. Percentages may vary slightly by region.
10. Excludes optional items added to order and included in box. Paper packaging materials can be recycled via municipal recycling, where available. System bag is made
from
11. recycled plastic and can be recycled along with other thin plastics. See local recycling guidelines.Based on internal analysis, January 2024. Based on EPEAT Climate+
    Designations achieved in all applicable countries. EPEAT registered where applicable. EPEAT registration varies by country. See http://www.epeat.net/ for registration
    status and tier levels.
12. Based on internal analysis, January 2024.
13. 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
14. 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 2022