

Dell Pro Max 16 Premium

Create your Masterpieces with Dell Pro Max
Premium notebooks.

Featuring the latest Intel® Core™ Ultra processors and NVIDIA RTX PRO Blackwell graphics.

Designed to deliver an exceptional balance of performance and user experience.

Extraordinary performance

The 45W Intel Core Ultra processor powers your workflows along with up to NVIDIA RTX PRO 3000 Blackwell (12GB) Graphics to turn your creative visions into reality. With up to 64GB LPDDR5x 8400MT/s memory and up to massive 8TB dual storage (RAID 0 or 1 capable), you'll be equipped to handle demanding projects effortlessly. Connect devices seamlessly with Thunderbolt 4 and 5 ports and HDMI 2.1, so accessories work in perfect harmony. Industry-leading thermals include DOO fans and vapor chamber cooling, so you can push the limits without overheating.

Elevated experience

Enjoy the ultimate user experience with innovative features designed for maximum comfort, performance, and immersion. Effortlessly access your PC with a Finger Scoop. Then immerse yourself in the stunning visuals of the up to 4K (UHD+) Tandem OLED display, featuring a 16x10 aspect ratio, 120Hz VRR, 100% DCI-P3 color accuracy, touch support, and VESA HDR TrueBlack 1000. Work and create on the Zero-Lattice Keyboard with Battery-Saving Mini-LEDs and a large Haptic touchpad, ensuring precision and comfort. Capture high quality detail with 8MP RGB + IR camera, complemented by presence detection, ambient light sensor, and Windows Hello for effortless login. Elevate your audio with Cirrus Smart amps and IntelliGo/Waves/Dolby Atmos for unmatched sound.

Exceptionally mobile

Weighing in at just 4.82 lb (2.19 kg), this device is designed for exceptional mobility, making it an ideal fit for the hybrid and on-the-go workforce. Stay seamlessly connected with advanced connectivity options, including WiFi 7 and Bluetooth 5.4. Equipped with up to a powerful 6-cell 96Whr battery, that offers features like Express Charge Boost and Performance Discharge, alongside an LLC option to ensure you can keep up with demanding workdays without interruption.

Sustainable Innovation

Designed with recycled materials and ships in 100% recycled or renewable packaging.

EPEAT Gold registered with Climate+ designation, Energy Star and TCO10 certified products.

Based on internal analysis, December 2024. EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

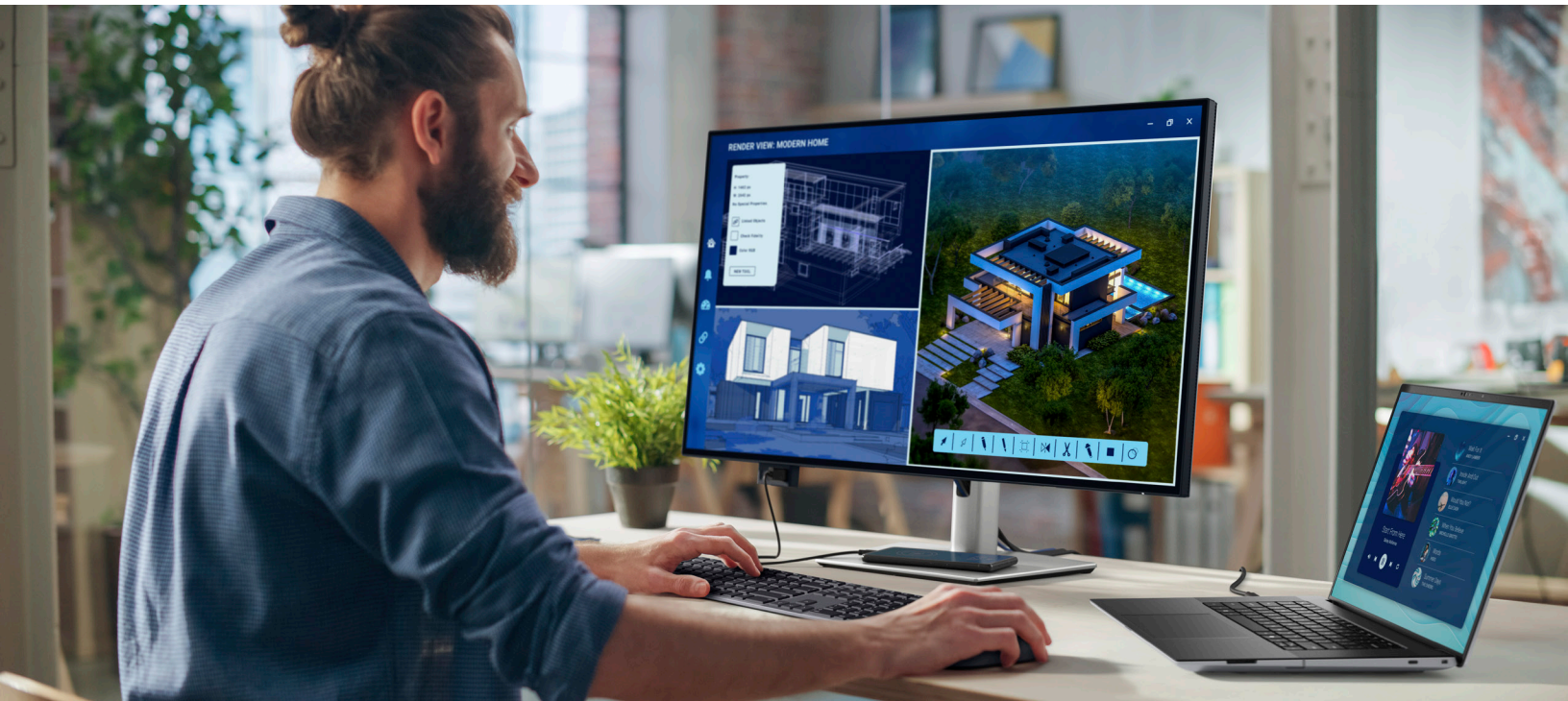
Excellent reliability

Tested and certified by leading ISVs to guarantee outstanding application performance, MIL-STD tested for durability against everyday wear and tear, and backed by a reliable warranty with optional service enhancements.



FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER	Dell Pro Max 16 Premium MA16250
PROCESSOR ¹	Intel® Core™ Ultra 7 255H (13 TOPS NPU, 16 cores, 16 threads, up to 5.10 GHz, 45W) Intel® Core™ Ultra 7 265H vPro® Enterprise (13 TOPS NPU, 16 cores, 16 threads, up to 5.30 GHz, 45W) Intel® Core™ Ultra 9 285H vPro® Enterprise (13 TOPS NPU, 16 cores, 16 threads, up to 5.40 GHz, 45W)
OPERATING SYSTEM ¹	Windows 11 Pro Windows 11 Home Ubuntu® Linux® 24.04, 64-bit
MEMORY ^{1,2,3}	16 GB: 16 GB (onboard), LPDDR5x, 8400 MT/s, dual-channel 32 GB: 32 GB (onboard), LPDDR5x, 8400 MT/s, dual-channel 64 GB: 64 GB (onboard), LPDDR5x, 8400 MT/s, dual-channel
STORAGE	512GB SSD TLC M.2 2230 PCIe Gen4 512GB SSD TLC with DRAM M.2 2280 PCIe Gen4 SED Ready 1TB SSD TLC with DRAM M.2 2280 PCIe Gen4 SED Ready 2TB SSD TLC with DRAM M.2 2280 PCIe Gen4 SED Ready 4TB SSD TLC with DRAM M.2 2280 PCIe Gen4 SED Ready
GRAPHICS CARD	<p>For computers shipped with Intel® Core™ Ultra 7 255H processors: Integrated: Intel® Arc™ 140T GPU</p> <p>For computers shipped with Intel® Core™ Ultra 7 265H vPro® Enterprise or Intel® Core™ Ultra 9 285H vPro® Enterprise processors: Integrated: Intel® Arc™ Pro 140T GPU</p> <p>Discrete: NVIDIA® RTX™ PRO 1000-Blackwell, 8GB GDDR7 NVIDIA® RTX™ PRO 2000-Blackwell, 8GB GDDR7 NVIDIA® RTX™ PRO 3000-Blackwell, 12GB GDDR7</p>
DISPLAY	40.6cm (16"), Non-Touch, FHD+, 120Hz, VRR (variable refresh rate), 100% DCI-P3, Anti-Glare, 500 nit, 8MP + IR Cam 40.6cm (16"), Touch, 4K UHD+, 120Hz, VRR (variable refresh rate), tandem OLED, 500 nit, 100% DCI-P3, Anti-Reflection, VESA-certified DisplayHDR™ True Black 1000, 8MP + IR Cam
CASE COLOR	Magnetite
PRODUCTIVITY SW ¹	Dell Auto Bluetooth Pairing Meeting Ready Apps Play Ready 3.0 Dell Support Assist DDRE (Dell Developed Recovery Environment) Dell Optimizer for Precision Dell Support Center Intel® WiFi Direct Dell Pair Dell Premier Color Intel® Unison SupportAssist SupportAssist OS Recovery
SECURITY	Intel® Platform Trust Technology (PTT) Intel® Boot Guard Intel® BIOS Guard Intel® Trusted Execution Technology (TXT) ADL - Hypervisor Linear Address Translation (HLAT) Intel® Total Memory Encryption Multi-Key TME D-Pedigree (Secure Supply Chain Functionality) Dell Digital Device ID: TPM Platform Root Key provisioning Dell Trusted Device Agent Validation VMware Workspace ONE Absolute® Endpoint Visibility and Control Netskope Dell Supply Chain Defense Optional Fingerprint Reader
WARRANTY ^{8,9}	1Y Onsite service 2Y Onsite service 3Y Onsite service 4Y Onsite service 5Y Onsite service 1Y ProSupport Next Business Day Onsite Service 2Y ProSupport Next Business Day Onsite Service 3Y ProSupport Next Business Day Onsite Service 4Y ProSupport Next Business Day Onsite Service 5Y ProSupport Next Business Day Onsite Service 1Y ProSupport Plus Same Business Service 2Y ProSupport Plus Same Business Service 3Y ProSupport Plus Same Business Service 4Y ProSupport Plus Same Business Service 5Y ProSupport Plus Same Business Service
ACCIDENTAL DAMAGE SERVICES	1-year Accidental Damage Service 2-year Accidental Damage Service 3-year Accidental Damage Service 4-year Accidental Damage Service 5-year Accidental Damage Service

FEATURE	TECHNICAL SPECIFICATION
KEYBOARD ¹	Zero-Lattice spill-resistant Keyboard with Battery-Saving mini-LED Backlit technology
TOUCHPAD	Haptic touchpad
PORTS	2 x USB Type-C Thunderbolt™ 5 (80/120 Gbps) ports with Power Delivery and DisplayPort™ 2.1 1 x USB Type-C Thunderbolt™ 4 (40 Gbps) port with Power Delivery and DisplayPort™ 2.1 1 x HDMI 2.1 port 1 x global headset port
DONGLE/ADAPTER	USB-C to USB-A adapter (optional on select configurations)
SLOTS	1 x SD-card slot 1 x wedge-shaped lock slot
DIMENSIONS	<p>US Starting Weight: 4.82 lb (2.19 kg)</p> <p>OLED Display Option Height (rear): 0.8 in. (20.24 mm) Height (peak): 0.83 in. (21.05 mm) Height (front): 0.8 in. (20.24 mm) Width: 13.93 in. (353.8 mm) Depth: 9.46 in. (240.28 mm)</p> <p>FHD Display Option Height (rear): 0.82 in. (20.85 mm) Height (peak): 0.87 in. (22 mm) Height (front): 0.82 in. (20.85 mm) Width: 13.93 in. (353.8 mm) Depth: 9.46 in. (240.28 mm)</p> <p>Rest of the world Starting Weight: 4.82 lb (2.19 kg)</p> <p>OLED Display Option Height (rear): 20.24 mm (0.8 in.) Height (peak): 21.05 mm (0.83 in.) Height (front): 20.24 mm (0.8 in.) Width: 353.8 mm (13.93 in.) Depth: 240.28 mm (9.46 in.)</p> <p>FHD Display Option Height (rear): 20.85 mm (0.82 in.) Height (peak): 22 mm (0.87 in.) Height (front): 20.85 mm (0.82 in.) Width: 353.8 mm (13.93 in.) Depth: 240.28 mm (9.46 in.)</p>
CAMERA	8MP RGB + IR Camera, Dual-array microphones
AUDIO AND SPEAKERS ¹	Stereo woofer 3 W x 2 and stereo tweeter 2.5 W x 2 = 11 W total peak, Dolby Atmos
CHASSIS	Aluminum and magnesium
WIRELESS	Intel® Wi-Fi 7 BE201, 2x2, 802.11be, MU-MIMO, Bluetooth® 5.4 wireless card
PRIMARY BATTERY	6-cell, 96 Wh, Lithium Ion, ExpressCharge™ 6-cell, 96 Wh, Lithium Ion, ExpressCharge™, Long Life Cycle
POWER	100 W AC adapter, USB Type-C (For computers shipped with integrated graphics) 165 W AC adapter, USB Type-C
REGULATORY ^{7,11}	Product Safety, EMC and Environmental Datasheets Dell Regulatory Compliance Home Page Responsible Business Alliance Policy



Power AI Workloads

Exceptional AI and Creative Performance

The Dell Pro Max 16 Premium delivers outstanding performance for AI and creative workloads. Equipped with NVIDIA RTX PRO Blackwell GPUs and Intel Core Ultra processors with an integrated NPU, it handles deep learning, NLP, and graphics-intensive tasks efficiently while optimizing and extending battery life. Engineered for design-heavy tools and large datasets, it drives intelligent workflows effortlessly, offering top-tier AI and creative capabilities.

Certified Reliability for ISV Applications

Certified for 100+ industry-leading ISV applications like TensorFlow, Adobe Creative Cloud, and MATLAB, Dell Pro Max systems ensure compatibility and dependable performance. Built to meet rigorous AI workflow demands, these high-performance PCs support seamless integration with professional tools.

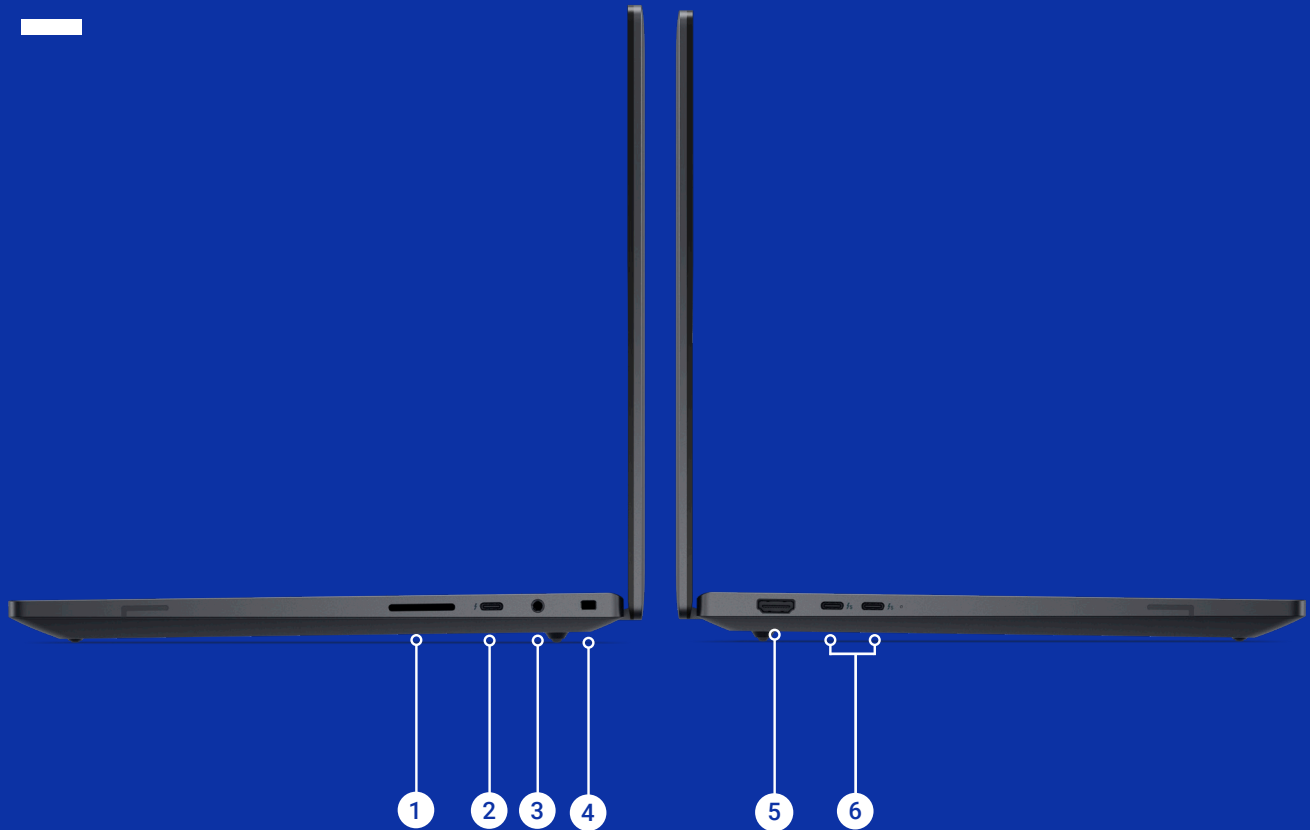
AI Enablement for Local Workloads

Built for on-premises AI tasks, the Dell Pro Max 16 Premium ensures secure, low-latency AI processing required for local AI workloads. It safeguards data while enabling rapid, secure prototyping and reducing reliance on cloud infrastructure, cutting costs, reducing latency, and protecting privacy in high-performance AI applications.

Scalability for Growing AI Demands

The Dell Pro Max portfolio, integral to the Dell AI Factory with NVIDIA, scales effortlessly. Whether starting with a PC or expanding to datacenters and clouds using NVIDIA AI Enterprise software, it adapts to increasing datasets and AI requirements with ease. So, begin at the edge with a Dell Pro Max PC and when you're ready, scale confidently into a full Dell AI Factory foundation with NVIDIA AI software and models.

Ports & Slots



- 1 SD Card Slot
- 2 USB Type-C Thunderbolt 4™ (40 Gbps) port with Power Delivery and DisplayPort 2.1
- 3 Global Headset Port
- 4 Wedged-shaped Lock Slot
- 5 HDMI 2.1
- 6 2 x USB Type-C Thunderbolt 5™ (80/120 Gbps) ports with Power Delivery and DisplayPort 2.1

*Note - USB-C to USB-A adapter (optional on select configurations)



Sustainable innovation



Built with sustainable materials

Designed with a wide variety of materials like 30% post-consumer recycled plastic in the speaker housing and 98% post-consumer recycled plastic in the battery frame, 90% recycled magnesium in the bottom cover, 75% recycled aluminum and 25% low emissions aluminum in the top cover and palmrest and 50% recycled cobalt in the battery.



Packaging with purpose

Ships in packaging with 100% recycled or renewable materials⁴ with multipack options for easier unboxing and reduced transportation and packaging waste.⁵



Leading design for PC longevity

This laptop is designed with a modular main board and I/O board for easier access to help reduce e-waste.² The battery design is also modular for easier repairs.

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

[Parts, Batteries & Upgrades >](#)



Seamlessly transition from old to new technology

We can help you responsibly and securely retire your legacy IT equipment, regardless of brand, while addressing your sustainability goals.

[Asset Recovery Services >](#)





Up-level your PC experience with Dell Displays and Accessories

Fuel productivity and collaboration with a complete Dell ecosystem that is engineered and tested for a seamless experience with your Dell Pro Max 16 Plus.



A



B

A Dell Pro Thunderbolt 5 Smart Dock SD25TB5 - SD25TB5

B Dell Pro Premium Collaboration Keyboard and Mouse - KM900

C Dell Pro Premium Wireless ANC Headset - WL7024

D Dell Pro 14-16 Premium EcoLoop Backpack - CP7625

E Dell UltraSharp 27 Thunderbolt™ Hub Monitor - U2724DE

F Dell UltraSharp 32 HDR PremierColor Monitor - UP3221Q



C



D



E



F

Simplify IT

Our most secure¹ and most manageable⁴ offerings make IT management a breeze

World's Most Secure Commercial PCs¹

According to Principled Technologies, no PC manufacturer offers the BIOS-level visibility Dell does.



SECURITY

Improve fleet-wide security with multiple layers of defense.

Reduce the attack surface and enhance long-term cyber resilience with [Dell Trusted Workspace](#)



Be secure from first boot with rigorous supply chain controls.



Maintain BIOS integrity with deep, firmware-level visibility.



Protect end-user identity from malware that looks to steal credentials.



Enrich OS-level data with PC telemetry to speed detection, response and remediation.



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



Shrink the IT-security gap with an integrated, AI-enabled solution

Explore hardware-assisted security with Dell, Intel & CrowdStrike.

[Hardware-Assisted Security >](#)

MANAGEABILITY

Manage your fleet of PCs - reliably and easily

Help secure and optimize your endpoints and deliver end-user productivity with [Dell Manageability Solutions](#)

With [Dell Management Portal](#), you can manage Dell PCs, over the cloud, in conjunction with Microsoft Intune. [Dell Management Portal >](#)

Update and secure your fleet of Dell PCs, with one application – [Dell Client Device Manager](#).⁵

[Dell Trusted Update Experience](#) makes it simple to update endpoints with the latest BIOS and driver versions. Dell is the only Top-5 PC vendor that:



Publishes² a device drivers and downloads release schedule:

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



Performs³ 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.

[Dell Trusted Update Experience >](#)



Dell has the industry's first:⁴

Partner Portal accessible in Microsoft Intune, with fleet-wide BIOS password access capability and Enterprise application access and publication capabilities

Binary Large Object (BLOB) package-based solution, for endpoint BIOS settings configuration, using Microsoft Intune

Hardware OEM systems management solution to integrate with Intel vPro



Simplify PC refresh with Dell Services

Enabling every step of the PC lifecycle

Dell Technologies APEX

1st

and most comprehensive¹

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 monthly subscription that can include PCs, peripherals, software and services with no upfront investment.

[Dell APEX PC-as-a-Service \(PCAAS\) >](#)

ProDeploy Client Suite

PC refresh starts with getting new devices in the hands of your end-users. Dell ProDeploy Suite streamlines operations and increases productivity with configured PCs that are ready to use on day one with dynamic cloud-based provisioning and imaging.

When transitioning from old to new technology, ProDeploy Plus includes the ability to securely erase sensitive end-user data with sophisticated tools to sanitize devices and includes Asset Recovery Services for responsible retirement.

[Dell ProDeploy Client Suite >](#)

Modern Lifecycle Solutions

Dell Premier

324%

ROI over 3 years³

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.

[Dell Premier >](#)

Asset Recovery Services

2.8B

Pounds of electronics recovered through all recovery programs since 2007²

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.

[Asset Recovery Services >](#)

ProSupport Suite for PCs

ProSupport Suite is more than a 24/7 break-fix solution, it's a set of tools that automate and optimize your environment with little to no human intervention or end-user disruption.

Select from a robust library of Dell-authored scripts that correct company-wide issues quickly, minimizing remediation times and maintaining peak system performance. ProSupport Suite provides telemetry-driven data to arm IT with insights and make targeted updates, all controlled from a single dashboard.

[ProSupport Suite for PCs >](#)

Legal disclaimers

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1. Based on internal analysis, January 2025. Recycled cobalt applies to the 72whr battery.
2. Based on internal analysis, November 2024.
3. Contains up to 94.3% recycled content and up to 5.9% renewable content in the form of sustainably forested materials. Excludes optional items added to order and included in box.
4. Based on internal analysis, February 2025.
5. Based on internal analysis, December 2024. EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

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1. [Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Owner's Manual published on \[www.dell.com/support\]\(http://www.dell.com/support\).](#)
2. System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.
3. 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.
4. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality
5. Storage Option: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
6. TPM is available in selected regions.
7. [Please refer to \[www.epeat.net\]\(http://www.epeat.net\) for specific country registration rating and participation.](#)
8. [Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see \[www.dell.com/warranty\]\(http://www.dell.com/warranty\).](#)
9. 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.
10. [Dell Services: Availability and terms of Dell Services vary by region. For more information, visit \[www.dell.com/servicedescriptions\]\(http://www.dell.com/servicedescriptions\).](#)
11. [For complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information \[www.dell.com/support/home/us/en/19\]\(http://www.dell.com/support/home/us/en/19\).](#)

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1. Based on Dell internal analysis, October 2024. Applicable to PCs on Intel processors. Not all features available with all PCs. Additional purchase required for some features. Validated by Principled Technologies. [A comparison of security features](#), April 2024.
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. Capabilities of Dell Update Processes, Dell Management Portal and Dell Manageability Solutions capabilities and integrations with 3rd Party Management Solutions, with competitor update processes, partner portal capabilities in Microsoft Intune 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. Based on Dell internal analysis - October 2024. Based on Dell Management Portal capabilities in Microsoft Intune compared to competitor Partner Portal capabilities in Microsoft Intune.
 - b. 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, for secure endpoint configuration and management.
 - 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.
5. Dell Client Device Manager application availability planned for March 2025.

1. 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. ProDeploy Client Suite for PCs configures 30K PC daily. Source: Based on Dell internal analysis, April 2023.
3. 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>
4. Based on a Forrester Total Economic Impact™ Study Commissioned by Dell Technologies and AMD, "The Total Economic Impact™ Of Dell Premier," February 2024. Full study <https://www.delltechnologies.com/asset/en-us/solutions/premier-solutions/industry-market/tei-dell-premier-solutions.pdf>
5. Dell Technologies has recovered 2.8 billion pounds of electronics since 2007. Source: Based on Dell internal analysis of publicly available data, April 2023.
6. 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 in Spain by Dell Bank International d.a.c Sucursal en España. Dell Bank International d.a.c. is regulated by the Central Bank of Ireland. Dell Technologies and Dell logos are trademarks of Dell Inc.