DELL Technologies

PRECISION 5690

Performance and
beauty collide

DELLTechnologies

Get both the performance and style that you desire

The smallest footprint 16" workstation with AI-based optimization[1]

Intelligent performance
Up to Intel Core Ultra 9,
16 cores (45W), NVIDIA® RTX™
5000 Ada graphics
64GB of 7467 MT/s LPDDR5x
8TB storage

FHD IR camera with High Dynamic Range & User Presence Detection

Dual microphones

Reliability
ISV Certified
MIL STD tested
Long battery life option

Advanced Thermals
User Selectable Thermals
Tables (USTT) Dual Opposing
Output (DOO) fan with Turbo
blades & vapor chamber Dual
intake venting Thermal insu-
lated material, GORE™

Premium display
Up to UHD+ OLED
16 display with
PremierColor, Touch
and ComfortView Plus
(low blue light
technology) options

**3-sided InfinityEdge
bezel**

**Backlit Pro
2.5 keyboard**

**Fingerprint reader
on power button**

**Polycarbonate & glassfiber
palmrest**

Haptics trackpad

Simplified PC updates
Get the latest BIOS, drivers
and firmware versions,
validated and delivered
seamlessly from Dell.

**Industry's most secure
commercial PC[1]**
Only Dell offers off-host BIOS
verification and Indicators of
Attack to reduce exposure to
future threats.

Secured Component Verification,
offered only by Dell, helps ensure
PCs are secure from factory to
first boot.

Dell and Intel reduce the attack
surface. The latest Intel vPro-
based PCs provide an estimated
70% attack surface reduction.[2]

Dell Optimizer for Precision
See Dell Optimize page for
more details.

Exceptional Audio
Premium speakers,
bottom-facing sub woofers

Sustainability
This workstation has
achieved the EPEAT Gold
Climate+ designation,
meeting industry best
practices for
decarbonization.

Starting at 2.03Kg/4.46lbs
Extended Power Range to provide 165W on standard
USB-C connector

▶ Click here to see the 3D Product Viewer

1 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.
2 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.

Intelligent performance

Performance and beauty collide to provide this thin and light workstation, featuring all-new Intel® Core™ Ultra processors, with fast integrated Intel® Arc graphics and AI-accelerators featuring NPU for Intel® AI Boost with vPro options and Copilot in Windows 11 taking advantage of advancing AI technologies to improve user productivity. The new smart, Intel design provides for excellent battery life. And of course, the user experience and workstation performance is optimized even further with AI-based Dell Optimizer for Precision

Immersive productivity and design

This 16" workstation boasts a 16:10 3-sided InfinityEdge display, up to QHD+ that provides for touch interactivity.
Jumpstart your workflow with the Copilot Hardware Key, which provides quick access to the tools you need to start your workday. Revolutionize your meetings with Windows Studio Effects. Keep your audience engaged with video auto-framing and maintain eye contact effortlessly, even while referencing your notes, thanks to AI-eye tracking technology.
Elevate your experience with AI-powered tools from Windows 11. Easily make use of the Snipping Tool, voice access, and smart recommendations within File Explorer and your Start menu.

Mission critical reliability and security

All Dell Precision workstations are tested and certified by independent software vendors to ensure reliably performance. Plus, they are MIL STD tested. Secure your workstation in our hybrid world with the industry's most secure commercial PCs* with built-in features that our competitors cannot match. Be secure in the office or on the road with features like a Smart Card Reader, Fingerprint Reader, and an IR Camera with Windows Hello and proximity sensor. Layer on advanced threat protection with industry-leading partner software. Truly embrace hybrid work with secure and reliable 4G and 5G connectivity.

Dell Optimizer for Precision

Dell Optimizer is our AI-based optimization software that learns and responds to the way you work, designed to automatically improve application and device performance, PC and accessory battery run-time, audio/video settings and privacy – all in the background while you're working.

Get up to 18% in power savings[1]

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.[1]

Experience 2x faster network performance[2]

Network Optimization provides the world's first simultaneous multi-network connection for faster data and video downloads[3], and joins the best network[4] available.

Access personalized insights

Our Analytics feature monitors the utilization of your PC by analyzing your system's battery, storage, CPU and memory behavior to review your system's reliably and problem history, so you can identify bottlenecks quickly.

Enhance application speed

Experience a boost in performance of your foreground application when running multiple programs simultaneously with Application Optimization.

Up-level audio for a better collaboration experience

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.

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.

▶ Click here to learn more about Dell Optimizer

1. 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
2. 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
3. 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
4. Best network selection based on signal strength, channel congestion, router type and others. Network suggestions based on user credentials.

D&LL Technologies

Simplify IT

Our secure[1] and simple to manage offerings make IT management a breeze

Improve fleet-wide security with Dell Trusted Workspace

Reduce the attack surface with 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.[1] Comprehensive security support further minimizes the risk of attack in-use.

Layer on advanced threat protection with software from our ecosystem of best-of-breed partners (e.g., CrowdStrike, Absolute).

Learn More ›

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 with 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 ›

D&LL Technologies

A P E X

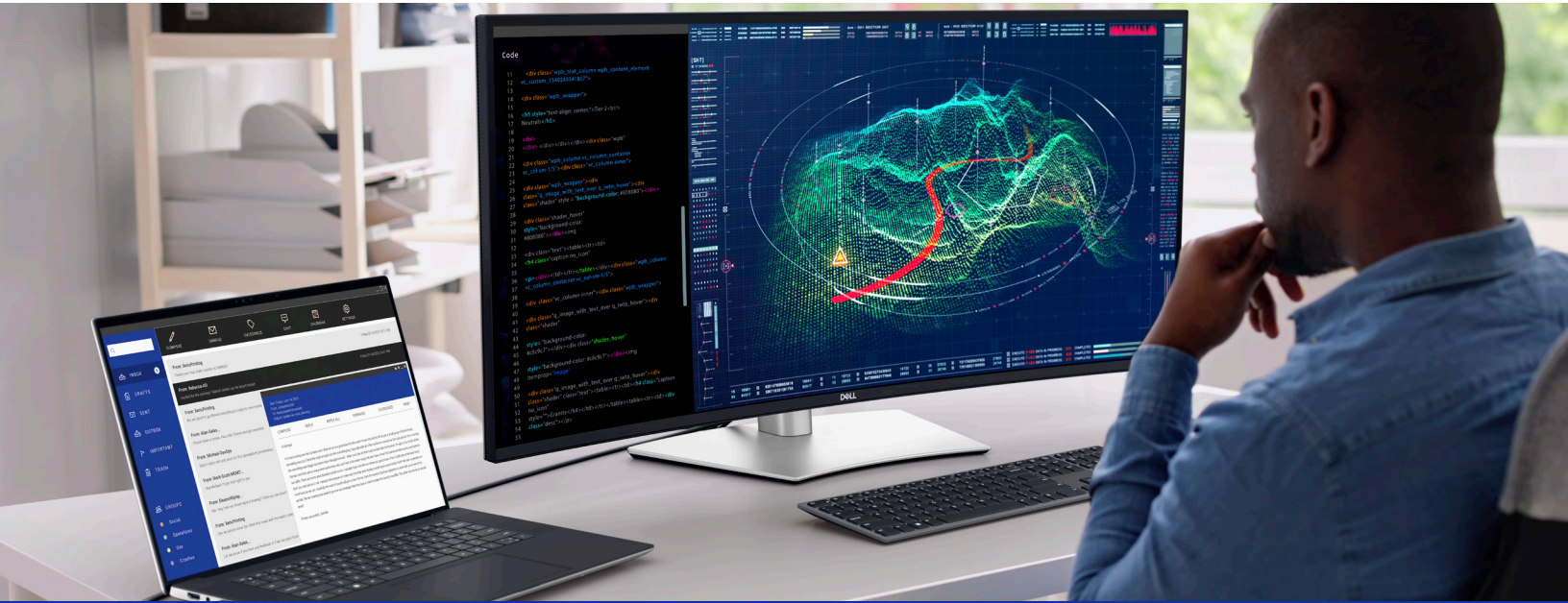Experience the flexibility to transform your IT and deploy the latest technologies at predictable costs

Dell APEX Managed Device Service

Designed for small and medium business with limited or no in-house IT, this fully managed subscription includes a team of IT experts that keep business devices up-to-date and secure, with no year-long commitment required (US only.)

Dell APEX PC-as-a-Service

Designed to meet the specific IT needs of larger companies, this fully customizable subscription covers everything – devices, software and services available from one-to-five-year terms.

Learn More ›

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.

Uplevel your PC experience with Dell Displays and Accessories

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

A
B
C

A. Dell UltraSharp 40 Curved Thunderbolt™ Monitor - U4025QW

B. Dell Performance Dock - WD19DCS

C. Dell Pro Wireless ANC Headset - WL5024

D. Dell Collaboration Keyboard and Mouse - KM900

D
E
G

E. Wacom Cintiq Pro 24 Creative Pen Display Touch - DTH-2420

G. Dell EcoLoop Pro Backpack - CP5723

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

▶ Discover more solutions for the modern workplace

1 IDC Worldwide Quarterly PC Monitor Tracker, Q3 2023

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Sustainability on Dell Precision 5690

Built with Sustainable Materials

Your Precision 5690 mobile workstation is designed with at least 18% post-consumer recycled plastic[1] and a chassis made with 75% recycled aluminum and 25% low emissions aluminum in the laptop lid and bottom cover.[2]

This workstation also ships with a 165W adapter that contains 90% post-consumer recycled plastic and 50% recycled copper in the adapter cable.[3]

Packaging Innovation

This workstation ships in packaging made with 100% recycled or renewable content, that is also 100% recyclable.[4]

Lifecycle Management

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.

Environmental Certifications & Registrations

Meeting environmental standards demonstrates how our products adhere to energy-efficiency specifications and other extensive climate-related standards. This workstation is certified ENERGY STAR ® 8.0, TCO certified, generation 9 and EPEAT gold registered with Climate+ designation.[5]

1 Percentage based on system plastic weight and may vary by model. Based on internal analysis, January 2024
2 Based on internal analysis, January 2024.
3 Percentage is based on plastic weight in the case. Based on internal analysis, September 2023
4 Contains 66.8% recycled content and 33.2% 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
5 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 www.epeat.net for registration status and tier levels

Learn more >

See how we are reducing the impact of our products and solutions Dell.com/Sustainable-Devices

*48.3 % recycled content and 47.5% renewable materials in the form of sustainably sourced fibers. Percentages may vary slightly by region. Excludes optional items added to order and included in box.

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FEATURE	TECHNICAL SPECIFICATION	FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Precision 5690		
PROCESSOR OPTIONS	Intel® Core™ Ultra 5 135H vPro® Enterprise (18 MB cache, 14 cores, up to 4.60 GHz , 45W) Intel® Core™ Ultra 7 155H vPro® Essentials (24 MB cache, 16 cores, up to 4.80 GHz , 45W) Intel® Core™ Ultra 7 165H vPro® Enterprise (24 MB cache, 16 cores, up to 5 GHz , 45W) Intel® Core™ Ultra 9 185H vPro®Enterprise (24 MB cache, 16 cores, up to 5.10 GHz , 45W)	WIRELESS	Intel® Wi-Fi 7 BE200, 2x2, 802.11be, MU-MIMO, Bluetooth® 5.4 wireless card
OPERATING SYSTEM	Windows 11 Home, 64-bit Windows 11 Pro, 64-bit Ubuntu 22.04 RHEL	BATTERY OPTIONS	6-cell (99.5Whr) Lithium-Ion polymer battery with Express Charge Boost Long life cycle battery option
MEMORY OPTIONS	16GB, LPDDR5x, 7467 MT/s, integrated, dual-channel 32GB, LPDDR5x, 7467 MT/s, integrated, dual-channel 64GB, LPDDR5x, 7467 MT/s, integrated, dual-channel	DISPLAY OPTIONS	16" FHD+ Non-touch, 1920 x 1200, 60Hz, 500 nits, IPS, 100% DCI-P3, Low Blue Light, IR Camera and Mic 16" OLED touch, 3840 x 2400, 60Hz, 400 nits, 100% DCI-P3, LBL, IR Camera & Mic with HDR
GRAPHIC	Intel Integrated Graphics UMA NVIDIA RTX 1000 Ada Generation, 6GB GDDR6 NVIDIA RTX 2000, Ada Generation DDR6, 8GB memory NVIDIA RTX 3500 Ada Generation DDR6, 12GB memory NVIDIA RTX 4000 Ada Generation DDR6, 12 GB memory NVIDIA RTX 5000 Ada Generation DDR6, 16 GB memory	KEYBOARD	Spill resistant, backlit keyboard. Available in many languages.
INTEGRATED VIDEO CONTROLLER	Intel® Arc™ Graphics	POWER OPTIONS	100W UMA Height: 26mm Width: 60mm Depth: 122mm Input voltage (maximum): 240VAC Input voltage (minimum): 100VAC Input frequency maximum): 60Hz Input frequency (minimum): 50Hz Input current (maximum): 1.7A Output current (continuous) 5A Rated Output Voltage: 20VDC
STORAGE OPTIONS	M.2 2230, 256GB, PCIe NVMe Gen4 x4, Class 35 SSD M.2 2280, 512 GB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 4TB, PCIe NVMe Gen4 x4, Class 40 SSD M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive	POWER OPTIONS	165W Discrete & UMA Height: 22mm Width: 66mm Depth: 136mm Input voltage (maximum): 240VAC Input voltage (minimum): 100VAC Input frequency maximum): 60Hz Input frequency (minimum): 50Hz Input current (maximum): 2.2A Output current (continuous) 5.89A Rated Output Voltage: 28VDC
MEDIA-CARD READER	Secure Digital (SD) Secure Digital High Capacity (SDHC) Secure Digital Extended Capacity (SDXC)	PORTS AND SLOTS	(2) ThunderBolt™ 4 ports with PowerDelivery USB Type-C™/ Display port alt Universal audio jack SD-card slot Wedge-shaped lock slot Optional Smart Card Reader HDMI 2.1 Also, ships with an USB-C to USB-A dongle
FINGERPRINT READER	Sensor resolution: 500DPI	CAMERA	FHD IR camera with HDR, Clover Falls+ presence detection sensor, ambient light sensor, Windows Hello compliance
DIMENSIONS & WEIGHT	Front: 20.5mm, (.80in) without rubber foot, 26.17 with foot Rear: 22.17mm, (0.87in) without rubber foot, 26.17mm with foot Width: 353.68mm, (13.92in) Depth: 240.33mm, (9.46 in) Weight (minimum): 2.03Kg/4.46lbs	PRODUCTIVITY SW[1]	Dell Auto Bluetooth Pairing Meeting Ready Apps Play Ready 3.0 Dell Support Assist Dell Developed Recovery Environment (DDRE) Dell Optimizer for Precision Dell Support Center Intel® WiFi Direct
AUDIO	Dual array microphones 4x Premium speakers	CASE COLOR	Anodized Titan Gray
SENSORS	Ambient light sensor Windows auto brightness IR proximity sensor Accelerometer for adaptive thermal Gyro + Accelerometer Hall effect sensor Sensor hub	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
CHASSIS	Material: Aluminum + resin	REGULATORY[8,12]	Product Safety, EMC and Environmental Datasheets Dell Regulatory Compliance Home Page Responsible Business Alliance policy
CHIPSET	Intel MTL-H 45W	INTEL RESPONSIVENESS TECHNOLOGIES	Intel® Rapid Storage Technology

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FEATURE	TECHNICAL SPECIFICATION	FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Precision 5690		
SECURITY SW	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	**WARRANTY**[9,10]	1Y Hardware Service with In-Home/Onsite Service after Remote Diagnosis 2Y Hardware Service with In-Home/Onsite Service after Remote Diagnosis 3Y Hardware Service with In-Home/Onsite Service after Remote Diagnosis 4Y Hardware Service with In-Home/Onsite Service after Remote Diagnosis 5Y Hardware Service with In-Home/Onsite Service after Remote Diagnosis 1Y ProSupport with ProSupport Next Business Day Service 2Y ProSupport with ProSupport Next Business Day Service 3Y ProSupport with ProSupport Next Business Day Service 4Y ProSupport with ProSupport Next Business Day Service 5Y ProSupport with ProSupport Next Business Day Service 1Y ProSupport Plus with ProSupport Same Business Day Service 2Y ProSupport Plus with ProSupport Same Business Day Service 3Y ProSupport Plus with ProSupport Same Business Day Service 4Y ProSupport Plus with ProSupport Same Business Day Service 5Y ProSupport Plus with ProSupport Same Business Day Service
KEYBOARD	Spill resistant, backlit keyboard. Available in many languages.	**SYSTEMS MANAGEMENT**	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 the latest BIOS, drivers and firmware versions.
DOCKING	Dell Performance Dock - WD19DCS	**INPUT**	3Dconnexion SpaceMouse Wireless Enterprise - 3DX-700066 Dell Bluetooth Travel Mouse (Misty Blue) - MS700 Dell Collaboration Keyboard and Mouse - KM900 Dell Premier Rechargeable Wireless Mouse (Graphite) - MS7421W

FEATURE	TECHNICAL SPECIFICATION	DESCRIPTION
MODEL NUMBER[1]	Precision 5490	
HARDWARE & FIRMWARE SECURITY (INCLUDED)	Dell Trusted Device	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 patch devices swiftly. *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 Imprivada for authenticating credentials on multi-user devices • Finger Print Reader in Power Button tied to ControlVault 3 • ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification • Contacted Smart Card and ControlVault 3 • Contactless Smart Card, NFC, and ControlVault 3 • SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL • FIPS 201 Full Scan Finger Print Reader and ControlVault • Trusted Platform Module (TPM) 2.0 discrete FIPS 140-2 certification for TPM
	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.
	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.
	Kensington Security 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.

DELLTechnologies

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
SUSTAINABLE MATERIALS[1]	**Post-consumer recycled plastic (PCR) and closed loop ITE derived plastic - chasses** Closed loop ITE derived plastic-NA Post-consumer recycled plastic:18%	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 desktop design.
	Post-consumer recycled plastic (PCR) - power adapter: (165-Watt): 90% in adapter case	
	Recycled aluminum - power adapter: (65-Watt): N/A	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: 75% recycled aluminum and 25% low emissions aluminum in the laptop lid and bottom cover	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%
	Recycled copper - power adapter (165-watt): 50% recycled copper in adapter cable	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
	Recycled ocean-bound plastic: N/A	Ocean-bound plastic is collected within 50km (30mi) distance of an ocean coastline or major waterway that feeds into the ocean. Using ocean-bound plastic reduces the risk of endangering marine life and ecosystem with plastic waste.
	Post-industrial recycled steel: N/A	Incorporating recycled steel helps minimize the usage of virgin material and related mining activities, while re-purposing waste that would have ended up in landfills (Available for select OptiPlex tower configurations).
	Bio-based plastic: N/A	Bio-based materials that are derived from non-petroleum-based biological resources. The bio-based plastic used in the lid and door is derived from tall-oil, a byproduct in the paper making process.
	Reclaimed carbon fiber: N/A	Reclaimed carbon fiber is derived from waste generated in the production of carbon fiber for the aerospace industry. It is considered to be a pre-consumer recycled material.
	Recycled cobalt: N/A	Majority of recycled cobalt used in PC batteries is sourced from the EV batteries and the remainder is sourced from consumer electronics. Virgin cobalt resources are fast depleting and using recycled cobalt helps build a circular economy. Using recycled cobalt is a less energy intensive process and produces lesser waste than mining virgin cobalt
	Recycled or renewable packaging materials 100% recycled, 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]	**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]	**Dell Multi-pack:** Yes	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	US CEC MEPS	
COMPLIANCE	compliant configurations available Australia and New Zealand MEPS compliant configurations available CEL WEEE Japan Energy Law South Korea E-standby EU RoHS China RoHS (available for all OptiPlex All-in-One configurations)	
REGULATORY[4,6]	Product Safety, EMC and Environmental Datasheets Dell Regulatory Compliance Home Page Dell and the Environment (available for all OptiPlex All-in-One configurations)	