PRECISION
7670

Power your
creative zone.

PRECISION
7670

Flexible chassis design

Power your purpose with a scalable 16" mobile workstation that is available in a thin or performance chassis.

FHD IR Camera, Windows Hello compliance, Integrated Camera Shutter, Proximity, Contextual Privacy and Ambient Light Sensors

Dual array mics with noise suppression technology

16:10 aspect ratio (up to HDR500 OLED), display with narrower bezel, 500nits, PremierColor, 100% DCI-P3, Touch and ComfortView Plus (LBL) options

Up to 12TB of storage, with 3 Gen 4 M.2 slots

Easy access storage with optional door on the bottom of the base
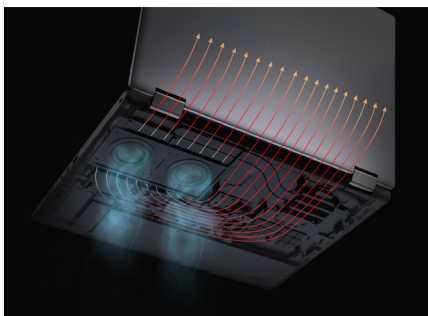
Pro 2.5 keyboard

Optional Smart Card Reader

Chassis intrusion sensor

WiFi 6E

Bluetooth 5.2

Optional 5G Mobile Broadband

Large click pad with optional NFC reader

25.9mm

23.2mm

Dell Optimizer for Precision
ExpressSign-in
ExpressConnect
ExpressCharge
ExpressDischarge
ExpressResponse
Intelligent Audio
Reporting & Analytics

Flexible design
Two chassis size available, determine by performance requirement

Up to 180W/240W adapter

Up to 93Whr battery

Sustainability

EPEAT Gold Registered

100% recycled plastics & cardboard contained in packaging

Advanced Thermals

User Selectable Thermals Tables (USTT)
Dual Opposing Output (DOO) fan with liquid polymer blades
Dual intake venting
Thermal insulated material, GORE™

PRECISION
7670
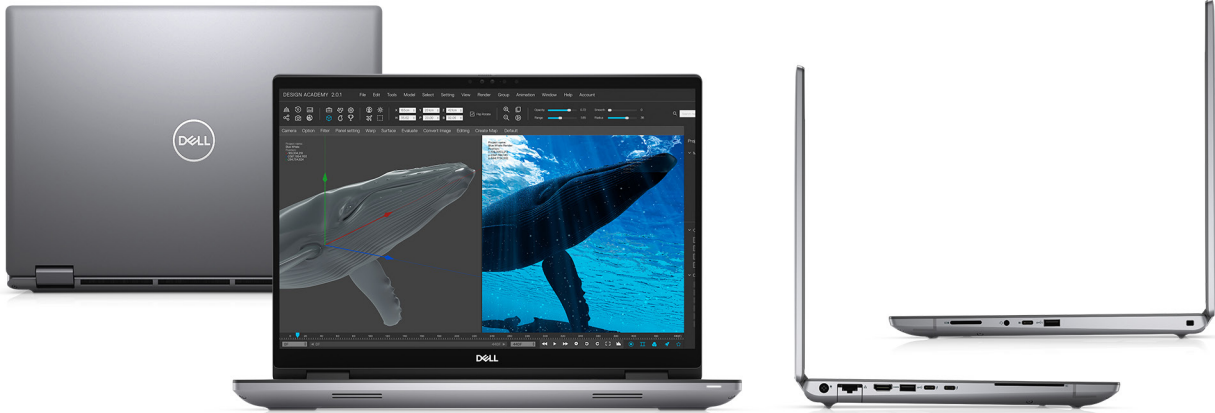
Intelligent performance

Intel® Core™ i5-i9, up to 16 core (8P + 8E) (55W), up to next gen 16GB NVIDIA RTX A5500, (3) M.2 slots PCIe Gen 4 SSD (12TB)/RAID 5 support, up to 128GB of 4800MHz via CAMM, (2) Thunderbolt™ 4, (2) USB 3.2 Type A and (1) Type C Display Port
…
Dell Optimizer for Precision

Immersive productivity and design

Pro 2.5 keyboard, large click pad, camera shutter, proximity and ambient light sensors, chassis intrusion sensor
…
Up to 16:10, 4K (HDR500) OLED display with narrower bezel, 500nits, PremierColor, 100% DCI-P3, Touch and ComfortView Plus (LBL) options
…
Intel WiFi 6E 6GHz/BT5.2/vPro, 5G LTE WWAN

Mission critical reliability and security

ISV Certifications
…
Long life battery option
…
MIL-STD tested
…
ECC and RMT Pro options
…
Advanced thermals (vapor chambers, DOO fans, GORE™)

7670

Dell Optimizer for Precision
We make it intelligent. You make it yours.

Dell Optimizer revolutionizes the way you work by fueling the world's most intelligent PCs*.
It is the only AI-based optimization software that learns and responds to the way you work and designed to automatically improve application performance, battery run-time, audio settings and privacy – all in the background while you're working.

Personalized performance made for hybrid work
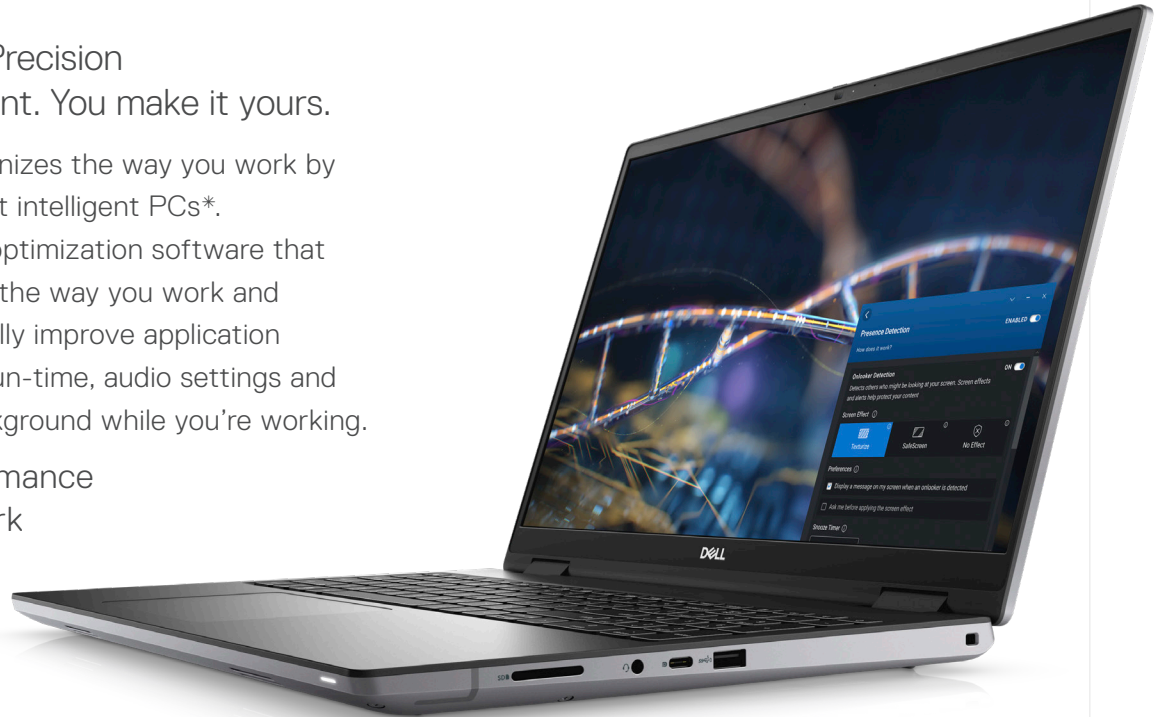
Power to the creators
Dell Optimizer for Precision empowers high-end users with ExpressResponse[6] for performance optimization of storage heavy apps. If you're a Precision user, you also have an exclusive Analytics feature for workload and system insights that help create personalized performance. You can also generate reports within Analytics to get system diagnostics and productivity gains.

Intelligent privacy anywhere
Privacy and security are a major concern – help keep sensitive data private with the world's most comprehensive suite of Intelligent Privacy features[1]. Onlooker detection lets you texturize or turn on Safe Screen when an intruder is detected and Look Away Detect darkens the PC screen based on user behavior.

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

Enhanced audio
Intelligent Audio delivers audio and mic enhancements and reduces background noise so you can fully engage in meetings with confidence, wherever you collaborate. Neural noise cancellation enables advanced artificial intelligent techniques to distinguish human speech from any unwanted noise.

Faster sign-in
Get to work faster with ExpressSign-in[2] – the proximity sensor detects your presence to wake on approach before Windows Hello logs you in via facial recognition.

Unmatched connectivity
Optimized for the best connectivity, ExpressConnect[3] provides the world's first simultaneous multi-network connection for faster data and video downloads[4]. It also enables joining the best network[5] available and prioritizes traffic for conferencing apps, wherever you work.

Improved performance
ExpressResponse[6] analyzes how you use your preferred apps[7] to boost performance.

Simplified manageability
Elevate work experience with an easy-to-manage application that provides a seamless experience for both end-users and IT decision makers. Set up individual features and modules from Dell Optimizer that fit your work environment with the modular installation feature. Deployment updates and optimization of multiple PCs remotely can be done simultaneously via centralized management.

RECOMMENDED ACCESSORIES

Dell UltraSharp 38 Curved USB-C Hub Monitor - U3821DW

Experience clarity, productivity and connectivity on this 37.5" ultrawide WQHD+ curved hub monitor with 95% DCI-P3 color and integrated speakers.

Dell UltraSharp 32 HDR PremierColor Monitor - UP3221Q

Create phenomenal 4K HDR content on the world's first professional monitor with 2K mini-LED direct backlit dimming zones.*

Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W

Multi-task seamlessly across 3 devices with this premium full-size keyboard and sculpted mouse combo featuring programmable shortcuts and 36 months battery life.

Dell Performance Dock - WD19DCS

Dell's most powerful dock* delivers the ultimate productivity experience. Charge your system faster, support up to three displays and connect to your peripherals via a single cable with dual USB-C connectors.

Dell Premier Wireless ANC Headset - WL7022

Collaborate with ease anywhere with this Teams certified wireless headset which offers active noise cancellation and smart sensors that automatically mute and unmute your call.

Dell Pro Hybrid Briefcase Backpack 15 - PO1521HB

Protect your laptop from impact with this earth friendly backpack that is lined with EVA foam cushioning. Easily convert from backpack to briefcase mode and travel with ease.

Dell Mobile Adapter Speakerphone - MH3021P

Multiport adapter with integrated speakerphone offers an all-in-one connectivity and conferencing solution.

HTC VIVE Cosmos 3D VR Headset - MFG 99HARL000-00 Dell part AA809644

Dive into virtual reality experiences with this HTC VIVE Cosmos 3-D virtual reality headset. A simple design eliminates the need for a base station, while the flip-up display lets you quickly escape to answer calls and texts.

Dell USB-C Mobile Adapter - DA310

Compact and portable 7-in-1 USB-C mobile adapter provides superb video, data connectivity and up to 90W power pass-through to your PC.

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

Enhance your creative process with the Wacom Cintiq Pro 24. Featuring world-class color performance on one of Wacom's largest 4K screens.

3Dconnexion SpaceMouse Wireless - 3DX-700076

3Dconnexion's patented 6-Degrees-of-Freedom (6DoF) sensor is specifically designed to manipulate digital content or camera positions in industry-leading CAD applications. Simply push, pull, twist or tilt the 3Dconnexion controller cap to intuitively pan, zoom and rotate your 3D drawing.

*Based on Dell analysis of publicly available data, July 2020.

Precision workstations

Dell Precision fixed and mobile workstations are designed with the environment in mind, using sustainable materials in our products and packaging wherever possible.

Design

1st

Workstations made with reclaimed carbon fiber and renewable bioplastic[8].

Sustainable Materials

up to 61%

Recycled plastic in fixed workstations and up to 21% in mobile workstations[9]. Oceanbound plastic is also used in the components of select Precisions[10].

Packaging Innovation

100%

Precision mobile workstations ship in packaging made from 100% recycled or renewable materials and is 100% recyclable[11].

ECOLABELS

35+
EPEAT registered products[12]

→ **EPEAT**

8.0
ENERGY STAR®
throughout the portfolio

→ **ENERGY STAR®**

PRECISION
7670

FEATURE TECHNICAL SPECIFICATION

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER	Precision 7670
PROCESSOR OPTIONS[14]	12th Generation Intel® Core™ i5-12600HX vPro®, 18MB cache, 16 threads, 12 cores (4 P cores & 8 E cores) P cores 2.50GHz to 4.60GHz, E cores 1.80GHz to 3.30GHz, 55W
	12th Generation Intel® Core™ i7-12850HX vPro®, 25MB cache, 24 threads, 16 cores (8 P cores & 8 E cores) P cores 2.10GHz to 4.80GHz, E cores 1.50GHz to 3.40GHz, 55W
	12th Generation Intel® Core™ i9-12950HX vPro®, 30MB cache, 24 threads, 16 cores (8 P cores & 8 E cores) P cores 2.30GHz to 5.00GHz, E cores 1.70GHz to 3.60GHz, 55W
OPERATING SYSTEM[1]	Windows 10 Home, 64-bit
	Windows 10 Professional, 64-bit
	Windows 10 Enterprise, 64-bit
	Windows 10 Pro Education, 64-bit
	Windows 10 Pro China, 64-bit
	Windows 11 Pro, 64-bit with DGR[7]
	Windows 11 Pro National Education, 64-bit
	Windows 11 Home, 64-bit with DGR[7]
	RedHat Enterprise Linux 8.6
	Ubuntu® Linux® 20.04 (64-bit)
MEMORY OPTIONS[1,2,3]	16GB, 1 x 16GB, DDR5, 4800MHz, non-ECC, CAMM module
	32GB, 1 x 32GB, DDR5, 4800MHz, non-ECC, CAMM module
	64GB, 1 x 64GB, DDR5, 4800MHz, non-ECC, CAMM module
	128GB, 1 x 128GB, DDR5, 3600MHz, non-ECC, CAMM module
	8GB, 1 x 8GB, DDR5, 4800MHz, non-ECC, SODIMM
	16GB, 1 x 16GB, DDR5, 4800MHz, ECC, SODIMM
	16GB, 2 x 8GB, DDR5, 4800MHz, non-ECC, SODIMM, dual-channel
	32GB, 2 x 16GB, DDR5, 4800MHz, ECC, SODIMM, dual-channel
	32GB, 2 x 16GB, DDR5, 4800MHz, non-ECC, SODIMM, dual-channel
	64GB, 2 x 32GB, DDR5, 4800MHz, non-ECC, SODIMM, dual-channel
	Note: CAMM memory meets the standard of dual channel, even exceeds it, even though it is not in a standard 2x memory chip/slot/module format. DDR4 has two 64-bit channels (dual channel) but CAMM with DDR5 has four 32-bit channels (quad channel).
PRIMARY HARD DRIVE[1,5]	M.2 2230, 256GB, PCIe NVMe Gen4 x4, Class 35 SSD
	M.2 2280, 512GB, 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 Gen3 x4, Class 40 SSD, self-encrypting drive
	M.2 2280, 1TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive
	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
GRAPHICS	**Integrated:**
	Intel® UHD Graphics
	Discrete: (optional)
	NVIDIA® RTX A1000, 4GB, GDDR6 (thin chassis)
	NVIDIA® RTX A2000, 8GB, GDDR6 (thin chassis)
	NVIDIA® RTX A3000, 12GB, GDDR6 (performance chassis)
	NVIDIA® RTX A4500, 16GB, GDDR6 (performance chassis)
	NVIDIA® RTX A5500, 16GB, GDDR6 (performance chassis)
DISPLAY OPTIONS[1]	16-inch, FHD+ 1920 x 1200, 60Hz, anti-glare, non-touch, 45% NTSC, 250 Nits, wide-viewing angle
	16-inch, FHD+ 1920 x 1200, 60Hz, anti-glare, non-touch, 99% DCIP3, 500 nits, wide-viewing angle, LBL, WLED
	16-inch, UHD+ 3840 x 2400, 60Hz, anti-glare, touch, 100% DCIP3, 400 nits, wide-viewing angle, LBL, OLED
CASE COLOR	Aluminum Titan Grey
PRODUCTIVITY SOFTWARE[1]	Dell Support Assist
	DDRE (Dell Developed Recovery Environment)
	Dell Optimizer for Precision
	Dell Support Center
	Intel® WiFi Direct
SECURITY SOFTWARE	Dell Client Command Suite
	Optional Dell Data Security and Management Software
	Dell BIOS Verification
	Optional Dell Endpoint Security and Management Software
	VMware Carbon Black Endpoint Standard
	VMware Carbon Black Endpoint Standard + Secureworks Threat Detection and Response
	Dell Encryption Enterprise
	Dell Encryption Personal
	Carbonite
	VMware Workspace ONE
	Absolute® Endpoint Visibility and Control
	Netskope
	Dell Supply Chain Defense

FEATURE TECHNICAL SPECIFICATION

FEATURE	TECHNICAL SPECIFICATION
WARRANTY[9,10]	3-year hardware service with on-site/in-home service after remote diagnosis
	4-year hardware service with on-site/in-home service after remote diagnosis (Upsell)
	5-year hardware service with on-site/in-home service after remote diagnosis (Upsell)
	3-year ProSupport with Next Business Day on-site service (Upsell)
	4-year ProSupport with Next Business Day on-site service (Upsell)
	5-year ProSupport with Next Business Day on-site service (Upsell)
	3-year ProSupport Plus with Next Business Day on-site service (Upsell)
	4-year ProSupport Plus with Next Business Day on-site service (Upsell)
	5-year ProSupport Plus with Next Business Day on-site service (Upsell)
ACCIDENTAL DAMAGE SERVICES	3-year Accidental Damage Service
	4-year Accidental Damage Service
	5-year Accidental Damage Service
KEYBOARD[1]	English US and Canada, Standard, backlit keyboard with 10-key numeric keypad, 99 keys
	English UK, Standard, backlit keyboard with 10-key numeric keypad, 103 keys
	Japan, Standard, backlit keyboard with 10-key numeric keypad, 106 keys
PORTS	(2) ThunderBolt™ 4 ports with (USB Type-C™)
	USB 3.2 Gen 2 Type-C port with DP-alt mode
	USB 3.2 Gen 1 port with PowerShare
	USB 3.2 Gen 1 port
	HDMI 2.0a port (UMA)/1 HDMI 2.1 port (DGPU)
	RJ-45 Ethernet port
	Headset (headphone and microphone combo) port
SLOTS	SmartCard Reader
	Nano SIM-card slot, 4FF (internal)
	SD-card slot
	Wedge-shaped lock slot
DIMENSIONS	*Thin:*
	Height: 0.98in. (24.70mm)
	Height (rear): 0.92in. (23.20mm)
	Height (front): 0.88in. (22.30mm)
	Width: 14.02in. (356.00mm)
	Depth: 10.18in. (258.34mm)
	Weight: 5.75lb (2.60kg)
	Performance:
	Height: 1.09in. (27.45mm)
	Height (rear): 1.03in. (25.95mm)
	Height (front): 0.99in. (25.05mm)
	Width: 14.02in. (356.00mm)
	Depth: 10.18in. (258.34mm)
	Weight: 5.90lb (2.67kg)
CAMERA	1080p at 30fps, FHD, RGB, with Omni-directional digital Microphone
	1080p at 30fps, FHD, IR, with Omni-directional digital Microphone + Proximity sensor
AUDIO & SPEAKERS[1]	Stereo speakers with Dialog, 2W x 4 = 8W total
WIRELESS	**Wireless:**
	Intel® AX211, 2x2 MIMO, 2400Mbps, 2.40GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.2
	Mobile broadband:
	Qualcomm SDX55 5G, Up to 3Gbps, 7x20MHz
BATTERY	6-cell, 83WHr, Lithium-ion, ExpressCharge™ 2.0
	6-cell, 93WHr, Lithium-ion, ExpressCharge™ and ExpressChargeBoost
POWER OPTIONS	SFF 180W, 7.40mm
	SFF 240W, 7.40mm

FEATURE TECHNICAL SPECIFICATION

REGULATORY[8,12]
Product Safety, EMC and Environmental Datasheets:
https://www.dell.com/learn/sg/en/sgcorp1/product-info-datasheets-safety-emc-environmental
Dell Regulatory Compliance Home Page:
https://www.dell.com/learn/sg/en/sgcorp1/regulatory-compliance
Dell and the Environment:
https://www.dell.com/en-sg/dt/corporate/social-impact/advancing-sustainability/sustainable-supply-chain/environment.htm

CHIPSET
Intel® WM690

INTEL RESPONSIVENESS TECHNOLOGIES
Intel® Rapid Storage Technology

HARDWARE SECURITY
Trusted Platform Module (TPM) 2.0 discrete
FIPS 140-2 certification for TPM
TCG Certificatication for TPM (Trusted Computing Group)
Contacted Smart Card and Control Vault 3
Contactless Smart Card, NFC, and ControlVault 3
SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL
Finger Print Reader in Power Button tied to Control vault 3
SED (Opal 2.0 only - PCIe Interface)
Chassis Intrusion Detection
Battery Removal Detection
RPMC SPI flash
SPI Flash Tamper Detection / Prevention Shunt Circuit

DOCKING
(SOLD SEPARATELY)
Dell Performance Dock - WD19DCS

MULTIMEDIA
(SOLD SEPARATELY)
Dell Premier Wireless ANC Headset - WL7022
Dell Mobile Adapter Speakerphone - MH3021P
HTC VIVE Cosmos 3D VR Headset - MFG 99HARL000-00 Dell part AA809644

RECOMMENDED ACCESSORIES
(SOLD SEPARATELY)
Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W
Dell 7-in-1 USB-C Multiport Adapter - DA310
Dell Pro Hybrid Briefcase Backpack 15 - PO1521HB
Dell UltraSharp 32 HDR PremierColor Monitor - UP3221Q
Dell UltraSharp 38 Curved USB-C HUB Monitor - U3821DW
3Dconnexion SpaceMouse Wireless - 3DX-700066
Wacom Cintiq Pro 24 Creative Pen Display Touch - DTH-2420

INPUT
Optional 10-Finger Touch Display
Large Clickpad - no buttons
Spill Resistant Non-Backlit Keyboard
Spill Resistant Backlit Keyboard

SENSORS
Ambient Light Sensor
Windows Auto Brightness
Accelerometer
Adaptive Thermal Performance (Lap vs. Desk mode) requires Accelerometer *(NOTE: This is for thermal only.)*
Hall Effect Sensor
Sensor Hub
Proximity for SAR compliance (for the WWAN module) Near Field Proximity Sensor

SYSTEMS MANAGEMENT
BIOS complies to Dell SMBIOS implementation spec (DSIS)
SW and Drivers MUP/DUP compliant per spec Agile S01310
Dell Power Manager (DPM)
Dell Command | Configure Version 4.0
Dell Command | Monitor 10.0
Dell Command | Update 3.0
Dell Command | Update Catalog (DCUC)
Dell Command | Deploy (DCP)
Dell Command | Integration Suite for System Center 5.0 (DCIS) with vPro®
Dell Command | Intel® vPro ™ Out of Band (DCIV)
Dell Command | PowerShell Provider 2.0
Dell Command | Deploy Driver Pack Catalog 1.0

Product Disclosures: pages 2-6:

* Based on internal analysis, April 2021. Dell Optimizer available in 2020 devices, not available in OptiPlex 3000 series, Latitude 3310 2-in-1 and Latitude Chromebook Enterprise. Feature availability and functionality varies by model.

1 Based on Dell internal analysis of competitive PC performance software and applications. September 2021. Intelligent Privacy is available on select Dell systems and devices.

2 Available on Latitude 9000 and select 7000 series; Precision mobile workstations 7000 and select 5000 series. See product details for availability.

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

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

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

6 ExpressResponse must be enabled in the Applications feature. DO learns how user uses the selected application(s) over several hours. Based on Dell testing using Sysmark 2018 benchmark on a Latitude system running productivity applications; and using performance evaluation benchmarks on Precision mobile workstations running ISV applications, March 2020. Improvement will vary based on product configuration, use, application and other factors

7 User must input preferred apps first in order for them to be analyzed.

8 Based on Dell analysis, Jan 2021. 21% bioplastics in LCD coverlid.

9 Based on internal analysis, April 2022.

10 Ocean-bound plastic used in the fan and fan housing (13%) on Precision 3260 CFF and the fan housing (28%) on Precision mobile workstations 3570 & 3571.

11 New packaging is made with up to 95% recycled content and up to 22% renewable content in the form of FSC paper fibers. Material make up varies by product and size. 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.

12 EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

Product Disclosures: pages 7-8:

1. Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Technical Guidebook published on 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 andTB 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. Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.lojackforlaptops.com.

8. Please refer to www.epeat.net for specific country registration rating and participation.

9. 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.

10. on-site 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.

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

12. 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.

14 Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Technical Guidebook published on www.dell.com/support.

15 System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.

16 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

17 Storage Option:GB means 1 billion bytes andTB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

18 Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.lojackforlaptops.com.

19 Please refer to www.epeat.net for specific country registration rating and participation.

20 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.

21 On-site 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.

22 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.

DELLTechnologies