



PRECISION

5470

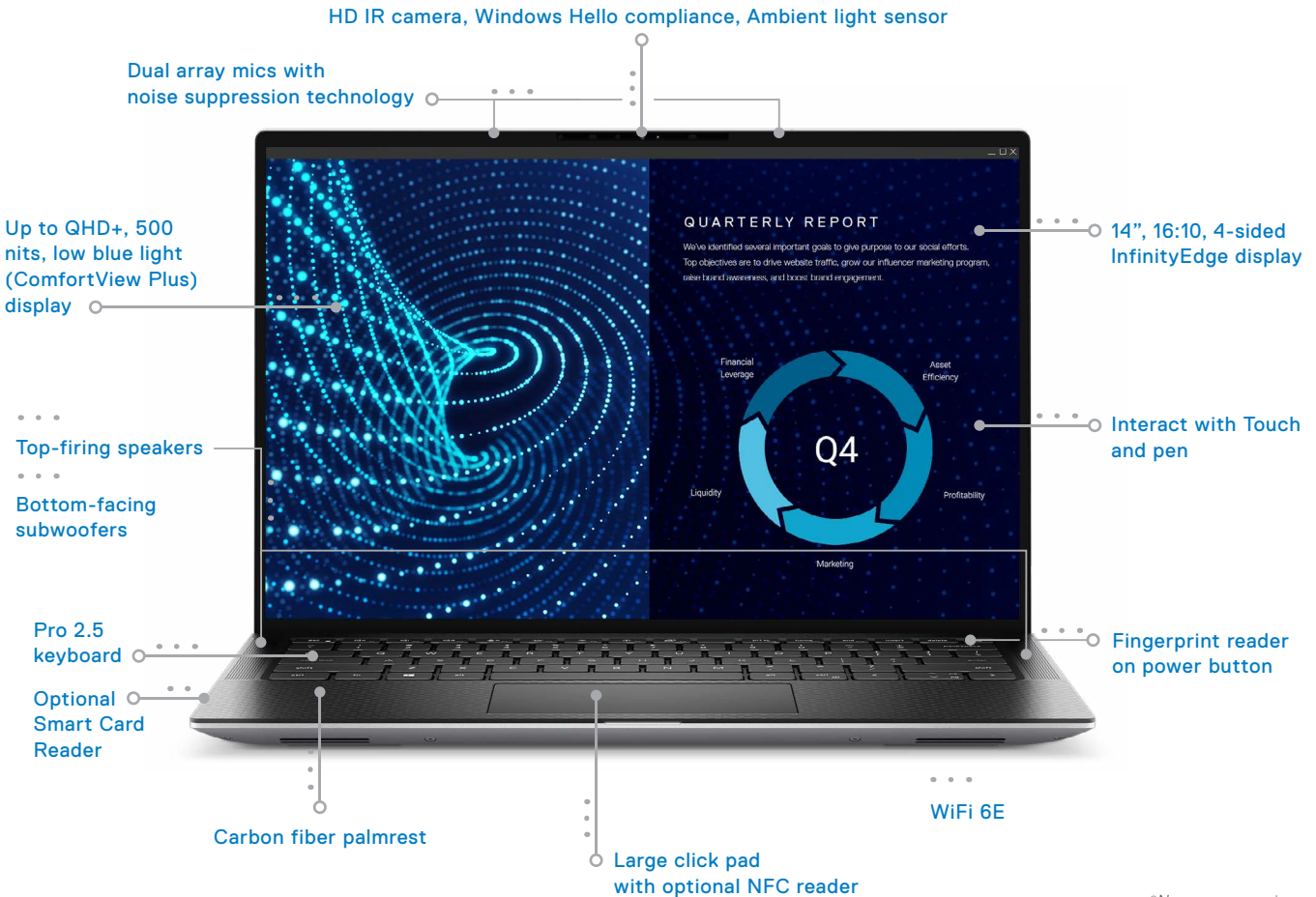
Power your  
creative zone.



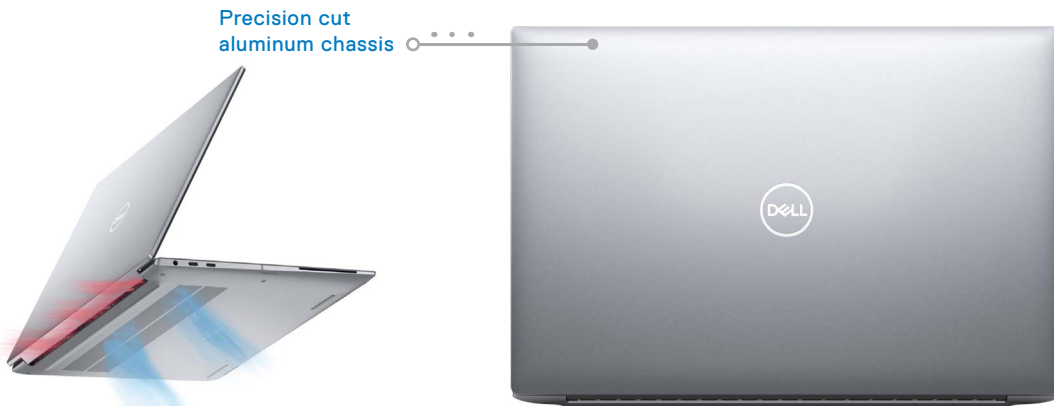
# 5470

A small device made for big ideas.

Introducing the world's smallest, thinnest and most powerful 14" workstation



*\*No camera, no mic, no wireless option available for FED*



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

- Sustainability**
- EPEAT Gold Registered
- Recycled carbon fiber
- 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™

**World's thinnest and lightest 14" workstation, starting at 3.26lbs/1.48kgs**

**Up to 130W Type-C adapter**

**Up to 72Whr battery**

[▶ See 360-degree product demo](#)

# 5470



### Intelligent performance

Intel® Core™, 14 Core (6P + 8E, 45W), up to 4GB NVIDIA RTX A1000 graphics, up to 64GB of 5200MHz DDR5, M.2 SSD with PCIe Gen 4 support (4TB), (4) Thunderbolt™ 4

Dell Optimizer for Precision

Advanced thermals



### Immersive productivity and design

Large clickpad, IR camera with ambient light sensor, dual mics, 4 speakers

14" InfinityEdge 16:10 display, up to QHD+ with pen/Touch, 75% Adobe, 500nits, PremierColor, with ComfortView Plus options

Intel WiFi 802.11ax , 6E, Bluetooth 5.2



### Mission critical reliability and security

ISV Certifications

MIL-STD 810H tested

Long battery life option

Smart Card Reader

Fingerprint Reader

IR Camera with Window Hello and proximity sensor



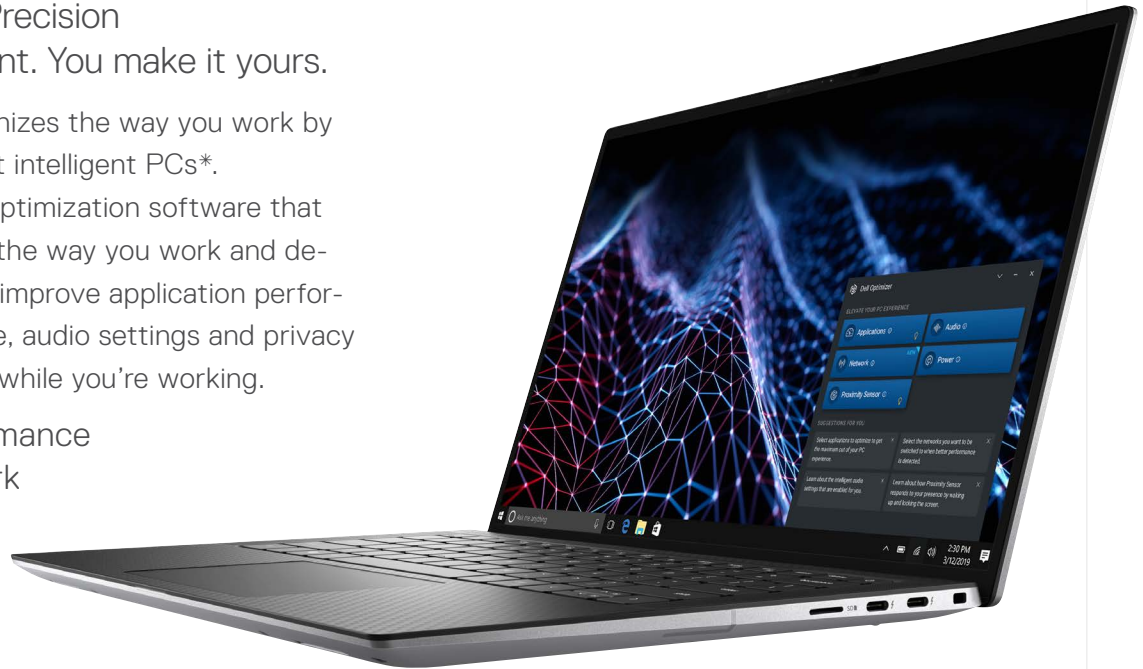
# 5470

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<sup>6</sup> 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<sup>1</sup>. 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<sup>2</sup> – 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<sup>3</sup> provides the world's first simultaneous multi-network connection for faster data and video downloads<sup>4</sup>. It also enables joining the best network<sup>5</sup> available and prioritizes traffic for conferencing apps, wherever you work.



## Improved performance

ExpressResponse<sup>6</sup> analyzes how you use your preferred apps<sup>7</sup> 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

AT THE DESK / ON THE GO



**Dell UltraSharp 34 Curved USB-C Hub Monitor - U3421WE**

Get immersive productivity on a 34" WQHD curved monitor with a wide color coverage and extensive connectivity including RJ45, USB-C and quick-access front ports.



**Dell Premier Rechargeable Wireless Mouse - MS7421W**

Experience a mobile mouse with best-in-class rechargeable power and productivity features in an accentuated design. Long lasting battery life of up to 6 months on a full charge.



**Dell Thunderbolt™ Dock - WD22TB4**

Boost your PC's power on the world's first modular Thunderbolt™ dock with a future-ready design.



**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 UltraSharp Webcam - WB7022**

Elevate your video conferencing experience with the world's best image quality 4K webcam that optimizes your visuals with a large 4K Sony STARVIS™ CMOS sensor and AI Auto-Framing.



**Dell EcoLoop Pro Briefcase - CC5623**

Made with a more earth-friendly solution-dyeing process than traditional dyeing processes and shock-absorbing EVA foam that protects your laptop from impact.

CREATIVE ACCESSORIES



**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**

Simply push, pull, twist or tilt the 3Dconnexion controller cap to intuitively pan, zoom and rotate your 3D drawing.



**Dell Premier Rechargeable Active Pen - PN7522W**

World's first Active Pen with a Tile location tracker providing the longest battery life on a single charge.

## Sustainability on Dell Precision workstations

Leading the industry in sustainable practices in our products, packaging and supply chain.

### PRECISION LEADS THE WORKSTATION INDUSTRY IN SUSTAINABLE DESIGN AND MATERIALS.



#### Design

1st

Workstations made with reclaimed carbon fiber and renewable bioplastic<sup>11</sup>.

#### Sustainable Materials

up to 46%

Recycled plastic in fixed workstations. Up to 17% in mobile workstations.

#### Packaging Innovation

25%

Ocean-bound plastic trays in Precision 5000 Series packaging.

### PRECISION HAS

19

EPEAT registered products<sup>12</sup>



16

TCO 8 certified configurations



8.0

ENERGY STAR<sup>®</sup> throughout the portfolio



# PRECISION 5470

## FEATURE TECHNICAL SPECIFICATION

**MODEL NUMBER** Precision 5470

**PROCESSOR OPTIONS<sup>13</sup>** 12th Generation Intel® Core™ i5-12500H, vPro® Essentials, 18MB cache, 16 threads, 12 cores (4P cores & 8E cores) P cores 3.3GHz to 4.5GHz, E cores 1.8GHz to 2.5GHz, 45W  
 12th Generation Intel® Core™ i5-12600H, vPro® Enterprise, 18MB cache, 16 threads, 12 cores (4P cores & 8E cores) P cores 3.3GHz to 4.5GHz, E cores 2.0GHz to 2.7GHz, 45W  
 12th Generation Intel® Core™ i7-12700H, vPro® Essentials, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 3.5GHz to 4.7GHz, E cores 1.7GHz to 2.3GHz, 45W  
 12th Generation Intel® Core™ i7-12800H, vPro® Enterprise, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 3.7GHz to 4.8GHz, E cores 1.8GHz to 2.4GHz, 45W  
 12th Generation Intel® Core™ i9-12900HK, vPro® Essentials, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 3.8GHz to 5.0GHz, E cores 1.8GHz to 2.5GHz, 45W  
 12th Generation Intel® Core™ i9-12900H, vPro® Enterprise, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 3.8GHz to 5.0GHz, E cores 1.8GHz to 2.5GHz, 45W

**OPERATING SYSTEM<sup>13</sup>** Windows 11 Pro, 64-bit with DGR<sup>17</sup>  
 Windows 11 Pro National Education, 64-bit  
 Windows 11 Home, 64-bit with DGR<sup>17</sup>  
 RedHat Enterprise Linux 8.6 (64-bit)  
 Ubuntu® Linux® 20.04 (64-bit)

**MEMORY OPTIONS<sup>13,14,15</sup>** 8GB, LPDDR5, 5200MHz, integrated, dual-channel  
 16GB, LPDDR5, 5200MHz, integrated, dual-channel  
 32GB, LPDDR5, 5200MHz, integrated, dual-channel  
 64GB, LPDDR5, 5200MHz, integrated, dual-channel (coming soon)

**PRIMARY HARD DRIVE<sup>15, 16</sup>** 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 (coming soon)  
 M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive (coming soon)

**GRAPHICS** **Integrated:**  
 Intel® Iris Xe Graphics

**Discrete: (optional)**  
 NVIDIA® RTX A1000 laptop, 4GB GDDR6

**DISPLAY OPTIONS<sup>13</sup>** 14-inch, FHD+, 1920 x 1200, 60Hz, anti-glare, non-touch, 100% sRGB, 500 nits, wide-viewing angle, narrow bent, TÜV low blue light  
 14-inch, QHD+, 2560 x 1600, 60Hz, anti-reflection, touch, 100% sRGB, 500 nits, wide-viewing angle, narrow bent, TÜV low blue light, active pen support

**CASE COLOR** Aluminum Titan Grey

**PRODUCTIVITY SOFTWARE<sup>13</sup>** Dell Support Assist  
 DDRE (Dell Developed Recovery Environment)  
 Dell Optimizer for Precision  
 Dell Support Center  
 Intel® WiFi Direct

**SECURITY SOFTWARE<sup>13</sup>** 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

**WARRANTY<sup>19, 20</sup>** 1-year hardware service with on-site/in-home service after remote diagnosis  
 2-year hardware service with on-site/in-home service after remote diagnosis (Upsell)  
 3-year hardware service with on-site/in-home service after remote diagnosis (Upsell)  
 4-year hardware service with on-site/in-home service after remote diagnosis (Upsell)

## FEATURE TECHNICAL SPECIFICATION

5-year hardware service with on-site/in-home service after remote diagnosis (Upsell)  
 1-year ProSupport with Next Business Day on-site service (Upsell)  
 2-year ProSupport with Next Business Day on-site service (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)  
 1-year ProSupport Plus with Next Business Day on-site service (Upsell)  
 2-year ProSupport Plus 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** 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

**KEYBOARD<sup>15</sup>** Available in many languages, backlit optional.

**PORTS** (4) ThunderBolt™ 4 ports with PowerDelivery and DisplayPort (USB Type-C™)  
 Headset (headphone and microphone combo) port

Also ships with USB 3.2 Type-A and HDMI dongle

**SLOTS** SmartCard Reader (optional)  
 MicroSD-card slot  
 Wedge-shaped lock slot

**DIMENSIONS** **US:**  
 Height (rear): 0.43in. (11.09mm)  
 Height (peak): 0.74in. (18.95mm)  
 Height (front): 0.29in. (7.49mm)  
 Width: 12.22in. (310.60mm)  
 Depth: 8.27in. (210.35mm)  
 Weight: 3.26lb (1.48kg)

**Rest of the world:**  
 Height (rear): 11.09mm (0.43in.)  
 Height (peak): 18.95mm (0.74in.)  
 Height (front): 7.49mm (0.29in.)  
 Width: 310.60mm (12.22in.)  
 Depth: 210.30mm (8.27in.)  
 Weight: 1.48kg (3.26lb)

**CAMERA** 720p at 30 fps, HD IR Camera with ALS sensor

**AUDIO & SPEAKERS<sup>13</sup>** Stereo speakers with Dialog, 2W x 4 = 8W total

**WIRELESS** Intel® AX211, 2x2 MIMO, 2400Mbps,  
 2.40GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.2

**BATTERY** 4-cell, 72Whr "smart" lithium-ion, ExpressCharge™, optional Long Cycle Life

**POWER OPTIONS<sup>13</sup>** 90W AC adapter, USB-C (UMA only)  
 130W AC adapter, USB-C (Discrete only)

**REGULATORY<sup>18, 21</sup>** **Product Safety, EMC and Environmental Datasheets:** <https://www.dell.com/learn/us/en/uscorp1/product-info-datasheets-safety-emc-environmental>

**Dell Regulatory Compliance Home Page:**  
<https://www.dell.com/learn/us/en/uscorp1/regulatory-compliance?s=corp>

**Dell and the Environment:**  
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/sustainable-supply-chain/environment.htm>

# PRECISION 5470

## FEATURE TECHNICAL SPECIFICATION

### INTEL RESPONSIVENESS TECHNOLOGIES

Intel® Rapid Storage Technology

### HARDWARE SECURITY

Trusted Platform Module (TPM) 2.0 discrete  
FIPS 140-2 certification for TPM  
TCG Certification 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)

### DOCKING

(SOLD SEPARATELY)

Dell Thunderbolt™ 4 Dock - WD22TB4

### MULTIMEDIA

(SOLD SEPARATELY)

Dell Premier Wireless ANC Headset - Blazer - WL7022  
Dell UltraSharp Webcam - WB7022  
Dell Mobile Adapter Speakerphone - MH3021P

### RECOMMENDED ACCESSORIES

(SOLD SEPARATELY)

Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W  
3Dconnexion SpaceMouse Wireles  
Dell Premier Rechargeable Active Pen - P/N:7522W  
Dell Premier Rechargeable Wireless Mouse - MS7421W  
Wacom Cintiq Pro 24 Creative Pen Display Touch - DTH-2420

### SENSORS

Ambient Light Sensor  
IR User  
Accelerometer  
Adaptive Thermal Performance (Lap vs. Desk mode) requires Gyro/Accelerometer (NOTE: This is for thermal only.)  
Hall Effect Sensor

### SYSTEMS MANAGEMENT

Dell Power Manager (DPM)  
Dell Command | Configure Version 4.0  
Dell Command | Monitor 10.0  
Dell Command | Update 3.0  
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



\* 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.

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

12 EPEAT registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

13 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](http://www.dell.com/support).

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

15 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

16 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.

17 Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at [www.lockforlaptops.com](http://www.lockforlaptops.com).

18 Please refer to [www.epeat.net](http://www.epeat.net) for specific country registration rating and participation.

19 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).

20 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](http://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.

21 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).