PRECISION
5470
Power your creative zone.
A small device made for big ideas.

Introducing the world’s smallest, thinnest and most powerful 14” workstation

HD IR camera, Windows Hello compliance, Ambient light sensor

Dual array mics with noise suppression technology

Top-firing speakers

Bottom-facing subwoofers

Carbon fiber palmrest

Large click pad with optional NFC reader

14”, 16:10, 4-sided InfinityEdge display

Interact with Touch and pen

Fingerprint reader on power button

World’s thinnest and lightest 14” workstation, starting at 3.26lbs/1.48kgs

Up to 130W Type-C adapter

Up to 72Whr battery

Precision cut aluminum chassis

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

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

*No camera, no mic, no wireless option available for FED
**Intelligent performance**

Intel® Core™, 14 Core (6P + 8E, 45W), up to 4GB NVIDIA RTX A1000 graphics, up to 32GB 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
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® 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®. 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.

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® – 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® provides the world’s first simultaneous multi-network connection for faster data and video downloads®. It also enables joining the best network® available and prioritizes traffic for conferencing apps, wherever you work.

Improved performance
ExpressResponse® analyzes how you use your preferred apps® 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.
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™ 4 Dock - WD22TB4
Boost your PC’s power on the world’s first modular Thunderbolt™ 4 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.

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\(^\text{11}\).

**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\(^\text{2}\)

16
TCO 8 certified configurations

8.0
ENERGY STAR\(^\text{®}\) throughout the portfolio
# PRECISION 5470

## FEATURE

### TECHNICAL SPECIFICATION

<table>
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<th>MODEL NUMBER</th>
<th>Precision 5470</th>
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### PROCESSOR OPTIONS

- 12th Generation Intel® Core™ i5-12500H, vPro Essentials, 18MB cache, 16 threads, 12 cores (4P cores & 8E cores) P cores 2.5GHz to 4.5GHz, E cores 1.8GHz to 3.3GHz, 45W
- 12th Generation Intel® Core™ i5-12600H, vPro Enterprise, 18MB cache, 16 threads, 12 cores (4P cores & 8E cores) P cores 2.7GHz to 4.8GHz, E cores 2.0GHz to 3.3GHz, 45W
- 12th Generation Intel® Core™ i7-12700H, vPro Essentials, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.9GHz to 4.7GHz, E cores 1.7GHz to 3.5GHz, 45W
- 12th Generation Intel® Core™ i7-12800H, vPro Enterprise, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.4GHz to 4.8GHz, E cores 1.8GHz to 3.7GHz, 45W
- 12th Generation Intel® Core™ i9-12900H-K, vPro Essentials, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.5GHz to 5.0GHz, E cores 1.8GHz to 3.8GHz, 45W
- 12th Generation Intel® Core™ i9-12900H, vPro Enterprise, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.5GHz to 5.0GHz, E cores 1.8GHz to 3.8GHz, 45W

### OPERATING SYSTEM

- Windows 11 Pro, 64-bit with DSG®
- Windows 11 Pro National Education, 64-bit
- Windows 11 Home, 64-bit with DSG®
- Red Hat Enterprise Linux 8.6 (64-bit)
- Ubuntu® Linux* 20.04 (64-bit)

### MEMORY OPTIONS

- 8GB, LPDDR5, 5200MHz, integrated, dual-channel
- 16GB, LPDDR5, 5200MHz, integrated, dual-channel
- 32GB, LPDDR5, 5200MHz, integrated, dual-channel

### PRIMARY HARD DRIVE

- M.2 2230, 256GB, PCIe NVMe Gen4 x4, Class 40 SSD, DDRE (Dell Developed Recovery Environment)
- M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 35 SSD
- M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 35 SSD
- M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 35 SSD
- M.2 2280, 256GB, PCIe NVMe Gen4 x4, Class 30 SSD
- M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 30 SSD
- M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 30 SSD, self-encrypting drive
- M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 30 SSD, self-encrypting drive (coming soon)
- M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 30 SSD, self-encrypting drive
- M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 30 SSD, self-encrypting drive (coming soon)

### GRAPHICS

- Integrated: Intel® Iris Xe Graphics
- Discrete (optional): NVIDIA® RTX A1000 laptop, 4GB GDDR6

### DISPLAY OPTIONS

- 14-inch, FHD+, 1920 x 1080, 100% sRGB, 500 nits, wide-viewing angle, narrow bezel, TÜV® certified
- 14-inch, QHD+, 2560 x 1600, 60Hz, anti-reflection, touch, low blue light, High Dynamic Range (HDR)
- 1200, 60Hz, anti-glare, non-touch, Intel® Core™ i5-12500H, vPro Essentials
- 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.9GHz to 4.7GHz, E cores 1.7GHz to 3.5GHz, 45W
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### KEYBOARD

- Available in many languages, backlit optional. Spill resistant.

### 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

- 90W AC adapter, USB-C (USB-PD/USB-PPS)
- 150W AC adapter, USB-C (Discrete only)

### REGULATORY


### DELL REGULATORY COMPLIANCE HOME PAGE


### DELL AND THE ENVIRONMENT

INTEL RESPONSIVENESS TECHNOLOGIES

HARDWARE SECURITY
- Trusted Platform Module (TPM) 2.0 discrete
- FIPS HD-2 certification for TPM
- TCG Certification for TPM (Trusted Computing Group)
- Contactless Smart Card and Control Vault 3
- Contactless Smart Card, NFC, and Control Vault 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
- Dell Thunderbolt™ 4 Dock - WD22TB4

MULTIMEDIA
- Dell Premier Wireless ANC Headset - Blazer - WL7022
- Dell UltraSharp Webcam - WB7022
- Dell Mobile Adapter Speakerphone - MH5021P

RECOMMENDED ACCESSORIES
- Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W
- 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

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

10 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.

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

12 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.

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

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

15 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.

16 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.

17 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.