Where the magic happens
PRECISION

5570

Where the magic happens
The smallest & thinnest 15” workstation with AI-based optimization

- IR camera with Proximity sensor (ExpressSign-in)
- Dual microphones
- Top-firing speakers
- Bottom-facing subwoofers
- Backlit Pro 2.5 keyboard
- Carbon fiber palmrest
- Large clickpad
- Titanium Gray aluminum cover
- Up to UHD+, 16:10 display with PremierColor, Touch and ComfortView Plus (low blue light technology) options
- 15”, 4-sided InfinityEdge bezel
- Fingerprint reader, Windows Hello capable

Advanced Thermals
(Illustration only, not the 5570)
- 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
- ExpressResponse
- Intelligent Audio
- Reporting & Analytics

ISV certified
Starting at 4.06lbs / 1.84kg

Click here to view 360° product demo
Intelligent performance
Up to Intel Core i9, 14 Core (6P + 8E) (45W), vPro options, up to 8GB NVIDIA RTX A2000 graphics, Gen4 M.2 SSD (4TB), RAID support, up to 64GB of 4800MHz DDR5 memory, (2) Thunderbolt 4 (with power-in), Type C USB 4
Dell Optimizer for Precision
Advanced thermals

Immersive productivity and design
Backlit keyboard, Large touchpad
15”, 16:10 InfinityEdge display, up to HDR400 UHD+, 99% DCI-P3, 500nits, PremierColor, with ComfortView Plus, Touch options
Intel WiFi 6E AX211/BT5.2/vPro, Active steering antennae

Mission critical reliability and security
ISV Certifications
MIL-STD tested
Long battery life with up to 6-cell battery
Proximity sensor
Chassis intrusion sensor
ProSupport - on-site service available
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 features¹. 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-in² – the proximity sensor detects your presence to wake on approach before Windows Hello logs you in via facial recognition.

**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.

**Improved performance**
ExpressResponse® analyzes how you use your preferred apps³ 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 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 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 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 Mobile Adapter Speakerphone - MH3021P**
Multiport adapter with integrated speakerphone offers an all-in-one connectivity and conferencing solution.

**Dell Pro Hybrid Briefcase Backpack 15 - POI521HB**
It's made with Dell's EcoLoop™ solution dyeing that generates up to 90% less wastewater, produces 62% less CO2 emissions and up to 29% less energy than traditional dyeing processes.

**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.
**Feature** | **Technical Specification**
---|---
**Model Number** | Precision 5570

**Processor Options**
- Intel® Core i9-12900HK, 24MB, 14 Cores, 2.50GHz
- Intel® Core i9-12900H, 24MB, 14 Cores, 2.50GHz, vPro
- Intel® Core i7-12800H, 16MB, 14 Cores, 2.40GHz, vPro
- Intel® Core i7-12700H, 24MB, 14 Cores, 2.50GHz
- Intel® Core i5-12600H, 11MB, 12 Cores, 2.00GHz, vPro
- Intel® Core i5-12500H, 18MB, 12 Cores, 2.50GHz

**Operating System**
- Windows 11 Home, 64-bit
- Windows 10 Pro, 64-bit
- Win 11 Pro, 64-bit
- Ubuntu 20.04
- Windows 11 Pro, 64-bit
- Windows 11 Home, 64-bit
- RHEL

**Memory Options**
- 8GB, 1x8GB, DDR5, 4800MHz, single-channel
- 16GB, 2x8GB, DDR5, 4800MHz, dual-channel
- 32GB, 2x16GB, DDR5, 4800MHz, dual-channel
- 64GB, 2x32GB, DDR5, 4800MHz, dual-channel

**Graphics Cards**
- NVIDIA® RTX™ A1000 Laptop, 4GB, GDDR6
- NVIDIA® RTX™ A2000 Laptop, 8GB, GDDR6

**Integrated Video Controller**
- Intel® Iris® Xe Graphics

**Storage Options**
- Secure Digital Extended Capacity (SDXC)
- Secure Digital High Capacity (SDHC)
- Secure Digital (SD)
- self-encrypting drive
- M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD
- M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 40 SSD
- M.2 2280, 4TB, PCIe NVMe Gen4 x4, Class 40 SSD
- M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 40 SSD
- M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD

**Battery Options**
- 6-cell, 86 Wh “smart” lithium-ion, 13.2V, 0.340kg
- Height: 7.56mm
- Width: 66mm
- Depth: 295.2mm
- Input voltage (maximum): 240VAC
- Output current (continuous): 4.5A
- Output current (maximum): 15A
- Rated Output Voltage: 20VDC
- Anti-reflective
- Touch support, with 10 touch points

**Fingerprint Reader**
- Sensor resolution: 500DPI

**Dimensions & Weight**
- Front: 7.7mm, (30mm)
- Rear: 11.65mm, (0.46in)
- Weight (maximum): 2.1kg, (4.6lbs)
- Weight (minimum): 1.88kg, (4.1lbs)
- Depth: 230.3mm, (9in)
- Width: 344.4mm, (13.6in)
- Height: 7.7mm, (.30in)

**Display Options**
- Full High Definition (FHD), Non-Touch
- Wide Viewing Angle (WVA), 1600:1
- 290 PPI
- Contrast ratio (minimum): 160:1 (typical)
- Wide Viewing Angle: +/- 89 degrees
- Vertical viewing angle: +/- 89 degrees
- Pixel pitch: 0.1752mm
- Anti-glare
- 4 Channel High Definition Audio
- MicroSD-card slot
- Universal audio jack
- USB Type-C™/ Display port alt
- HDMI port alt
- Cinch Port (Audio Out)
- IR remote control
- Rated Output Voltage: 20VDC
- Output current (continuous): 6.5A
- Output current (maximum): 15A
- Rated Output Voltage: 20VDC

**Ports and Slots**
- (2) Thunderbolt™ 4 ports with PowerDelivery
- USB Type-C™/V Display port alt
- Universal audio jack
- MicroSD-card slot
- Wedge-shaped lock slot
- Also ships with USB 3.2 Type-A and HDMI dongle

**Controller**
- Intel® AX211, 2x2 MIMO, 2400 Mbps, 2.40GHz/5GHz
- Digital-array microphones
- Supported subwoofer output
- 2.5W x 4 = 10W
- Tweeters (2 x 2W); Woofers (2 x 2W)

**Audio**
- Realtek ALC3281
- Supported stereo conversion
- High definition audio interface
- Universal Audio Jack
- Supported internal speaker amplifier
- Keyboard shortcut controls
- Tweeters (2 x 2W); Woofers (2 x 2W)
- 2.5W x 4 = 10W
- Supported subwoofer output
- Digital-array microphones
- Rated Output Voltage: 20VDC
- Output current (continuous): 6.5A
- Output current (maximum): 15A

**Touchpad**
- Resolution: Horizontal 1770, Vertical 1039
- Dimensions: Horizontal 150.9mm, Vertical 90mm
- Pixel pitch: 0.1752mm
- Vertical viewing angle: +/- 89 degrees
- Refresh rate: 60Hz

**Keyboard**
- Standard Backlit keyboard
- Anti-glare
- Touch support, with 10 touch points

**Power Options**
- 90W UMA
- Height: 22mm
- Width: 66mm
- Depth: 130mm
- Input voltage (maximum): 240VAC
- Input power (minimum): 100WAC
- Input frequency maximum: 60Hz
- Input frequency minimum: 50Hz
- Input current (minimum): 1.5A
- Rated Voltage: 20VDC
- Anti-reflective
- Touch support, with 10 touch points

**Camera**
- HD RGB Camera, front location, CMOS-sensor technology
- Resolution (RGB): 0.92 megapixel, 576 x 384 at 15 fps
- Resolution (Infrared): 0.30 megapixel, 320 x 240 at 15 fps
- Diagonal Viewing Angle (RGB): 76.50 degrees
- Diagonal Viewing Angle (Infrared): 76.50 degrees

**Wireless**
- Intel® AX211, 2x2 MIMO, 2400 Mbps, 2.40GHz/5GHz
- Wi-Fi 6E (802.11ax)
- Wi-Fi 6 (802.11ax)
- Wi-Fi 5 (WiFi 802.11ac)
- Wi-Fi 4 (WiFi 802.11n)
- Wi-Fi 802.11a/b/g
- Bluetooth® 5.2
- TKIP
- AES-CCMP
- 64-bit/128-bit WEP

**Operating System**
- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Ubuntu 20.04
- RHEL

**Memory Options**
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- 16GB, 2x8GB, DDR5, 4800MHz, dual-channel
- 32GB, 2x16GB, DDR5, 4800MHz, dual-channel
- 64GB, 2x32GB, DDR5, 4800MHz, dual-channel

**Specifications**
- NVIDIA® RTX™ A1000 Laptop, 4GB, GDDR6
- 64GB, 2 x 32GB, DDR5, 4800MHz, dual-channel
- 32GB, 2 x 16GB, DDR5, 4800MHz, dual-channel
- 16GB, 2 x 8GB, DDR5, 4800MHz, dual-channel
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.\(^{13}\)

**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\(^{14}\)

16
TCO 8 certified configurations

8.0
ENERGY STAR® throughout the portfolio
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 vary 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.


9 Based on a Forrester Total Economic Impact™ Study commissioned by VMware, “The Total Economic Impact™ of VMware Workspace ONE for Windows 10”, September 2018. Results from interviews with VMware Workspace ONE customers and/or based on a 12,000-employee composite organization.


11 Based on Principled Technologies Report commissioned by Dell Technologies, “Deliver pre-configured systems to end users faster with Dell Provisioning for VMware Workspace ONE”, January 2019, comparing deployment using Dell Provisioning for Workspace ONE vs. traditional deployment. Results extrapolated to deployment of 1000 systems, a week represents seven full workdays. Actual results will vary.

12 Based on Dell Internal analysis, January 2019.

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

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