PRECISION
5770
Where elegance meets performance
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The smallest, thinnest & lightest 17” workstation with Al-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 click pad
- 17”, 4-sided InfinityEdge display
- Fingerprint reader, Windows Hello capable
- Up to UHD+, 16:10 display with PremierColor, Touch and ComfortView Plus (low blue light technology) options
- Dell Optimizer for Precision
  - ExpressSign-in
  - ExpressConnect
  - ExpressCharge
  - ExpressResponse
  - Intelligent Audio
  - Reporting & Analytics

Advanced Thermals
(Illustration only, not the 5770)
User Selectable Thermals Tables (USTT)
Dual Opposing Output (DOO) fan with liquid polymer blades
Dual intake venting
Thermal insulated material, GORE™

Dell 5770
Starting at 4.76lbs / 2.17kg

ISV certified
Intelligent performance

Up to Intel® Core™ i9, 14 (6P+8E) Cores (45W), up to 12GB NVIDIA RTX™ A3000 series graphics (65W), up to 8TB of storage (RAID support), up to 64GB of 4800MHz memory, (4) Thunderbolt™ 4 (with power-in)

... Dell Optimizer for Precision

... Advanced thermals

Immersive productivity and design

17”, 16:10 InfinityEdge display, up to HDR400 UHD+, 100% sRGB & 99% DCI-P3, 500nits, PremierColor, with ComfortView Plus, Touch options

... Backlit keyboard, Large touchpad

... Intel WiFi 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
Where productivity meets intelligence.

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.

**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™ – the proximity sensor detects your presence to wake on approach before Windows Hello logs you in via facial recognition.

**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.

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† Onlooker and Look Away Detect are available on Precision 5770.
‡ ExpressCharge is available on Precision 5770.
§ Neural noise cancellation is available on Precision 5770.
‖ Improved performance is available on Precision 5770.
¶ Simplified manageability is available on Precision 5770.
**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 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 Premier Sleeve XPS 17 - PE1721V**
Stylish sleeve for sturdy protection when you are out and about.

**Dell Pro Backpack 17 – PO1720P**
Protect your notebook and accessories with this lightweight backpack that is made with shock-absorbing EVA foam.

**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.

**HTC VIVE Cosmos 6U VH Headset - MFG 99HARL000-00 Dell part AA809644**
Dive into virtual reality experiences with this HTC VIVE Cosmos 6-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.

**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.
### Technical Specification

#### Feature

**Processor Options**
- 12th Generation Intel® Core™ i5-12600H, 16MB cache, 12 cores, 16 threads, 2.4GHz to 4.70GHz, 45W
- 12th Generation Intel® Core™ i7-12700H, 16MB cache, 12 cores, 20 threads, 2.60GHz to 4.80GHz, 45W
- 12th Generation Intel® Core™ i9-12900H, 24MB cache, 16 cores, 20 threads, 2.40GHz to 4.80GHz, 45W

**Memory Options**
- 32GB, 2 x 16GB, DDR5, 4800MHz, Non-ECC, dual channel
- 16GB, 2 x 8GB, DDR5, 4800MHz, Non-ECC, dual channel
- 8GB, 1 x 8GB, DDR5, 4800MHz, Non-ECC, dual channel

**Storage**
- 256GB, M.2 2280, PCIe NVMe Gen 3 x4, SSD, Class 40
- 512GB, M.2 2280, PCIe NVMe Gen 4 x4, SSD, Class 40
- 1TB, M.2 2280, PCIe NVMe Gen 4 x4, SSD, Class 40
- 2TB, M.2 2280, PCIe NVMe Gen 4 x4, SSD, Class 40
- 3TB, M.2 2280, PCIe NVMe Gen 4 x4, SSD, Class 40
- 4TB, M.2 2280, PCIe NVMe Gen 4 x4, SSD, Class 40

**Display Options**
- 17-inch, FHD+ 1920 x 1200, InfinityEdge 60Hz, non-touch, sRGB 100% min, 500nits, wide-viewing angle
- 17-inch, FHD+ 1920 x 1200, InfinityEdge 60Hz, anti-reflective, touch, Adobe 100% min, DCI-P3 99% typ, 925nits, 500nits, wide-viewing angle, LED, Low Blue Light (ComfortView Plus)

**Chassis**
- Exterior Chassis Materials: Aluminum

**Productivity Software**
- Microsoft Office 30-day trial
- Microsoft Office Professional 2019
- Microsoft Office Home and Business 2019

**Certified Based Authorization (CBA)/Authenticated BIOS Interface (AB) (SOLD SEPARATELY)**
- Dell Client Command Suite (CCS)
- Dell Optimizer v3.0 (Tier 1)
- Dell Power Manager (SOM)
- Dell Premier Color (SOM)
- Dell Trusted Device (Safe BIOS)

**Digital Device Identity and Secured Component Verification Secure BIOS Baseline**

**Chassis Intrusion Detection**

**Warranty**
- 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
- 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
- 5-year hardware service with on-site/in-home service after remote diagnosis

**Intel® Iris® Xe Graphics (dual-channel memory)**
- Integrated:
- Discrete:

**Operating System**
- Windows 10 Pro, 64-bit
- Windows 11 Pro, 64-bit

**Audio & Speakers**
- Stereo woofer 2W x 2 and stereo tweeter 2.5W x 2 = 5W total peak

**Camera**
- Camera 720p 30fps HD RGB IR camera Digital-array microphones

**Microphone**
- Digital Microphone

**Power Options**
- 90W AC adapter, USB-C (for UMA configuration)

**Regulatory**
- Product Safety, EMC and Environmental Datasheets

**Chipset**
- Intel Alder Lake H45

**INTEL RESPONSIVENESS TECHNOLOGIES**
- Identity Protection Technology 2012 (IPT)
- Smart Sound Technology

**Hardware Security**
- Trusted Platform Module (TPM) 2.0
- BIOS (SOLD SEPARATELY)

**Docking**
- Dell Thunderbolt™ Dock - WD19TSB
- Dell Thunderbolt™ 4 Dock - WD22TB4

**Multimedia**
- Dell 7-in-1 USB-C Multiport Adapter - DA390
- Dell Mobile Adapter Speakerphone - MH322P
- Dell Premier Wireless ANC Headset - WL7022
- HTC Vive Cosmos VR Headset

**Input**
- 3Dconnexion SpaceMouse Wireless - SDX-700066
- Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7521W Dell Premier Rechargeable Wireless Mouse - MS7421W
- Dell UltraSharp 27 USB-C HUB Monitor - U2722DE
- Dell UltraSharp 38 Curved USB-C HUB Monitor - U3821DW
- Wacom Cintiq Pro 24 Creative Pen Display Touch - DTH-2420

**Sensors**
- Accelerometer (ST Micro LIS3DW12TR): on the base (system board)
- ALS for Panel Backlight Control
- Single Proximity sensor - on upper bezel

**System Management**
- OMCI (Advanced Asset Management)
- CDTK (Remote BIOS Configuration)
- SCCM (Updated BIOS, Drivers)
- Dell Deployment Pack (SCCM Image Integration)
- Dell OpenManage Essentials (OME)
- Dell Client System Update (DCSU)
- Dell Web-Based 1-1 Update
- Dell Update Catalog
- Dell Command | Intel® vPro™ Out of Band (DCV)
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.

**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
- **16** TCO 8 certified configurations
- **8.0** ENERGY STAR® throughout the portfolio