PRECISION
3460 SFF

Smart performance and design
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Smart performance and design

An intelligent, performance-optimized, space-saving small form factor workstation featuring AI-responsiveness.

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Click here to review 360 degree product demo.
**Intelligent performance**

Up to 12th Gen Intel® Core™ i9, 16 Core (8P+8E), 65W, NVIDIA & AMD Pro graphics (75W), (3) M.2 PCIe SSD slots, (2) PCIe expansion slots, up to 20TB storage, RAID support, up to 64GB of 4800MHz RAM (DDR5), ECC optional

...Dell Optimizer for Precision

**Immersive productivity and design**

Small form factor, 8L

...Wireless 6E

...Bluetooth 5.2 w/vPro

...USB 3.2 2x2 20Gbps support

...(3) DisplayPort 1.4 with 8K support

...Support for 4K and 8K displays

...Legacy support for select previous generation I/O

...Internal power supply

**Mission critical reliability and sustainability**

ISV Certifications

...MIL-STD tested

...ECC memory and RMT Pro options

...EPEAT registered

...Our packaging is made from 87% recycled or renewable material
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.

**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.

**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.

**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.

**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.
**RECOMMENDED ACCESSORIES**

**Dell UltraSharp USB-C Hub Monitor - U2421E**
Experience vibrant color and reduced harmful blue light emissions with ComfortView Plus. Featuring an RJ45 port for Ethernet connectivity.

**Dell Small Form Factor All-in-One Stand - OSS21**
Securely house your Precision small form factor desktop and Dell monitor neatly on your desk with the compact Dell Small Form Factor All-in-One Stand - OSS21.

**Dell Pro Wireless Headset - WL5022**
Work from anywhere with this Bluetooth Teams certified headset that lets you switch seamlessly to your PC or smartphone and enjoy crystal clear audio on the go.

**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.

**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.

**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 Precision 3460 SFF

## Feature Technical Specification

### Processor Options
- 12th Generation Intel® Core™ i5-12500, 16MB cache, 6 cores, 12 threads, 3.50GHz to 4.80GHz, 66W
- 12th Generation Intel® Core™ i5-12600, 19MB cache, 6 cores, 12 threads, 3.30GHz to 4.80GHz, 65W
- 12th Generation Intel® Core™ i7-12700, 19MB cache, 8 cores, 16 threads, 2.10GHz to 4.90GHz, 65W

### Memory Options
- 8GB, 1x8GB, DDR5, 4800MHz, ECC, Single-channel
- 16GB, 2x8GB, DDR5, 4800MHz, ECC, Single-channel
- 32GB, 2x16GB, DDR5, 4800MHz, ECC, Single-channel

### Operating System
- Windows 11, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 11 Pro for Workstations, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 Pro National Academic, 64-bit
- Windows 10 IoT 2021 LTSB (OEM Only)

### Model Number
- Precision 3460 SFF

### Security
- Certificate Based Authentication (CBA) /Authenticated BIOS Interface (ABI)
- McAfee® Small Business Security 30-day free trial

### Display
- Dell PremierColor
- Dell Optimizer for Precision
- Microsoft Office 30-day trial

### Chassis
- Dell Standard Black, Resin

### Optical Drive
- Dell Collaboration 24 USB-C Hub Monitor - C2422HE
- Dell UltraSharp 24 Monitor - U2422H
- Dell Ultrathin Security 30-day free trial

### Ports & Slots
- Front ports: Re-tasking line-out/line-in audio port
- Rear ports: RJ45 Ethernet port
- USB 2.0 ports with PowerShare
- USB 3.2 Gen 2x2 capable Type-C® port
- Optional video port (HDMI 2.0b /Displayport 1.4a (HBR3)/DisplayPort 1.4a port)

### Ports & Slots
- Optional Serial/PS2 port
- VGA/USB Type-C with DisplayPort Alt mode

### Multimedia
- Optional video port (HDMI 2.0b /Displayport 1.4a (HBR3)/DisplayPort 1.4a)
- Optional Serial/PS2 port
- Half-height Gen 4 PCIe x8 slot
- Half-height Gen 3 PCIe x4 slot
- Half-height Gen 3 PCIe x16 slot
- Dell Pro Stereo Soundbar - AE515M
- Dell Pro Stereo Headset - UC350
- Dell Slim Soundbar - SB521A
- Dell Pro Stereo Headset - UC350

### Productivity SW
- Microsoft Office 30-day trial
- Microsoft Office Professional 2021
- Microsoft Office Home and Business 2021
- Dell Client Command Suite (DCCS)
- Dell Optimizer for Precision

### Warranty
- 1-year basic warranty on-site service after remote diagnostics
- 2-year basic warranty extension
- 3-year basic warranty extension

### Dimensions & Weight
- Width: 92.60mm (3.65in.)
- Height: 290.00mm (11.42in.)
- Rest of the world
- Weight (minimum): 3.87kg (8.52lbs.)
- Depth: 292.80mm (11.53in.)
- Weight (maximum): 11.86lbs. (5.38kg)
TECHNICAL SPECIFICATION

**FEATURE**

**CONNECTIVITY OPTIONS**
- Qualcomm WCN6856-DBS, 2x2 MIMO, 3571 Mbps, 2.4GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.2
- Intel® AX211, 2x2 MIMO, 2400 Mbps, 2.4GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.2

**POWER OPTIONS**
- 260W internal power supply unit, 85% efficient PSU, 80 Plus Bronze
- 300W internal power supply unit, 92% efficient PSU, 80 Plus Platinum

**REGULATORY AND ENVIRONMENTAL COMPLIANCE**
- Product Safety, EMC and Environmental Datasheets
- Dell Regulatory Compliance Home Page
- Dell and the Environment

**CHIPSET**
- Intel® W680

**HARDWARE SECURITY**
- Security-cable slot
- Padlock rings
- Lockable port cover
- Chassis intrusion switch
- Contact card reader
- Data port disablement
- Fingerprint reader
- DPM UEFI Preboot Authentication (PBA) solution for Windows 8 and greater
- FW TPM (Discrete TPM Disabled) for China and Select Global customers
- Intel Secure Boot (TXT + TPM)
- BIOS password update via (Dell Command | Configure)
- Intel’s Identity Protection (IPT)
- Intel Authenticate

**SYSTEMS MANAGEMENT**
- WOL non-AMT from OOM, add-in NIC and wireless
- vPro™ (vPro™ 14.x) or greater over wireless
- Intel® Standard Manageability (ISM) non-vPro™
- Intel® Endpoint Management Assistant
- No OC6 Management
- AMT Enable/Disable through BIOS
- DASH (through AMT and ISM)
- OC6 Remote BIOS Management and HDD Wipe
- Dell Command | Integration Suite for SCCM (DCIS)
- Dell Command | Monitor (DCM)
- CIM configuration features
- BIOS Configuration through Dell Command | Configure and Dell Command | PowerShell Provider
- Dell Command | Configure (DCC)
- AMT Configuration
- Dell Command | Update (DCU)
- Dell Command | Deploy (DCD)

**STORAGE CONTROLLER**
- Intel Rapid Storage Technology
- Intel Management Engine (ME) 12.0 or later

**ADD-IN CARDS**
- Serial port PCIe low profile card
- Parallel port PCIe low profile card
- USB 3.2 Type-C® PCIe card
- CAC/PIV module
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
* 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.


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.

15 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.

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

17 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

18 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.

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


24 Available through Custom Factory Installation Only