

PRECISION

# 3660 Tower

Smart performance  
that scales



# 3660 TOWER

Smart performance that scales

A cost-efficient, mini tower design featuring outstanding performance, scalability, improved CPU cooling and built-in AI responsiveness.

3.5" or 2.5" front-accessible HDD storage option, lockable

Optional Optical drive

The slimline bay can also accommodate:

1. Front accessible M.2 NVMe SSD\*\*
2. Integrated Smart Card Reader with Contact and Contact-less Support (CAC/ PIV)

Breathable hexagon panel



- Power Button
- Audio & microphone combo jack
- USB 3.2 Type-A Gen1 (5Gbps)
- USB 3.2 Type-A Gen1 (5Gbps) with PowerShare
- USB 3.2 Type-C Gen2 (10Gbps)
- USB 3.2 Type-C Gen2x2 (20Gbps) with PowerShare
- SD card reader



- Security screw
- Side cover release
- Lock slot
- Audio out
- (2) DisplayPort 1.4++ HBR2
- (2) USB 3.2 Type-C Gen2 (10Gbps) with PD support
- (2) USB 3.2 Type A Gen2 (10Gbps)
- (2) USB 2.0 Type A (with SmartPower)
- Power connector
- LED indicator
- Optional 2nd RJ-45 2.5G Ethernet connection
- Optional port (VGA, HDMI 2.0, DP++ 1.4 HBR3, Type C w/DP-Alt mode)
- RJ-45 1G Ethernet connection

[Click here to review 360 degree product demo.](#)

# 3660 TOWER



## Intelligent performance

Up to 13th Gen Intel® Core™ i9K Core (8P+16E) Processors (125W), up to RTX A6000 or 450W GPU support (NVIDIA or AMD Cards), up to 28TB storage, RAID support, up to 128GB or up to 4400MHz ECC and non-ECC DDR5 memory

...

Option to upgrade CPU cooling:

- Standard CPU Air Cooler
- Advanced CPU Air Cooler
- Premium CPU Liquid Cooler



## Immersive productivity and design

Front-accessible storage for 2.5" or 2.5" SATA HDD (with lockable door and key)  
 Front-accessible M.2 NVMe SSD

...

Wi-Fi 6E, Bluetooth 5.2

...

Front: USB 3.2 Type-C Gen2x2 (20Gbps) with PowerShare

...

Support for 4K and 8K displays

...

(3) PCIe expansion slots

(3) M.2 NVMe PCIe SSD Slots

...

Internal power supply

...

Tool-less chassis



## Mission critical reliability and sustainability

ISV Certifications for performance and reliability

...

MIL-STD tested for reliability

...

Reliable Memory Technology Pro comes with ECC memory

...

EPEAT registered

...

Our packaging is made from 87% recycled or renewable material



# 3660 TOWER

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<sup>1</sup>. It is the only AI-based optimization software that learns and responds to the way you work and de-signed to automatically improve application performance, battery run-time, audio settings and privacy – all in the background<sup>7</sup> 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

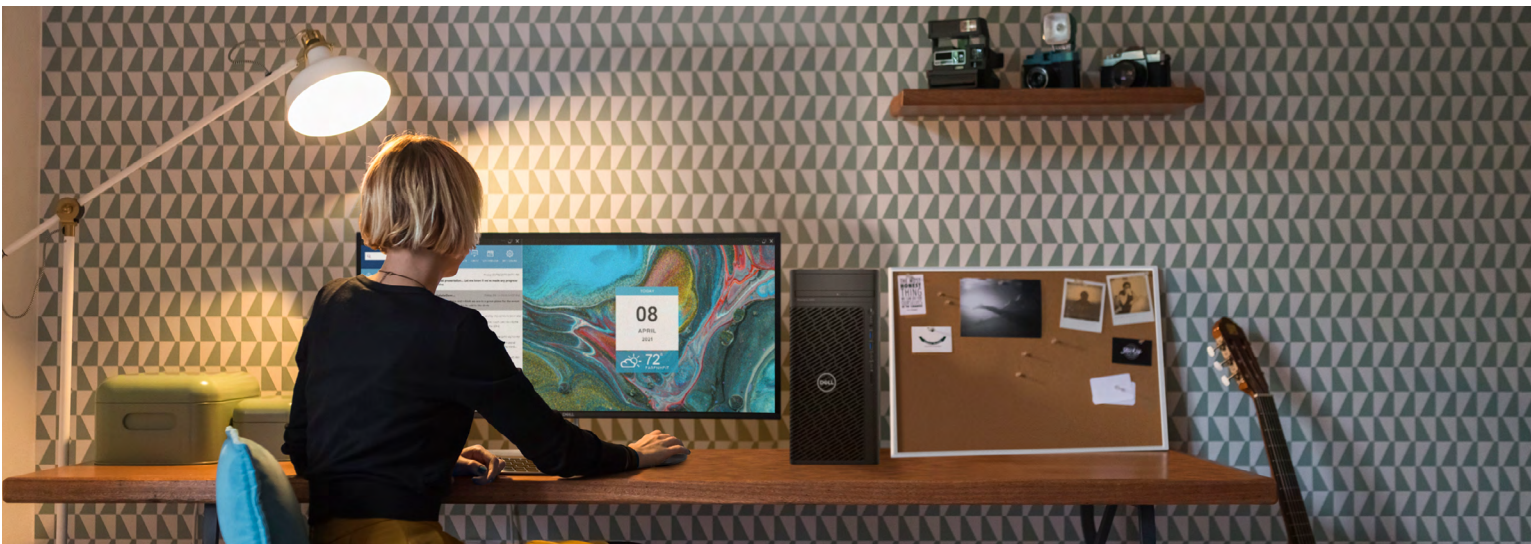
ExpressResponse<sup>6</sup> analyzes how you use your preferred apps<sup>7</sup> to boost performance.



## 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.

Note: Dell Optimizer technologies availability varies based on product type.



## RECOMMENDED ACCESSORIES



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

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



**Dell Slim Soundbar - SB521A**

World's slimmest and lightest soundbar offers exceptional audio clarity and easy magnetic attachment to your Dell monitors, ensuring a clutter-free desk.



**Dell UltraSharp 27 Monitor - U2722D**

Take your work to new heights with this 27-inch QHD monitor featuring a wide color coverage, always-on built-in ComfortView Plus, and fast connectivity.



**3Dconnexion SpaceMouse Wireless - 3DX-700066**

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 this high quality 4K webcam that optimizes your visuals with a large 4K Sony STARVIS™ CMOS sensor and AI Auto-Framing.



**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.

PRECISION

# 3660 TOWER

## FEATURE TECHNICAL SPECIFICATION

**MODEL NUMBER** Precision 3660 Tower

**PROCESSOR OPTIONS<sup>15</sup>**

- 13th Generation Intel® Core™ i9-13900K vPro®, 36 MB cache, 24 cores (8P + 16E), 3.0GHz to 5.8GHz, 125W
- 13th Generation Intel® Core™ i9-13900 vPro®, 36 MB cache, 24 cores (8P + 16E), 2.0GHz to 5.6GHz, 65W
- 13th Generation Intel® Core™ i7-13700K vPro®, 30 MB cache, 16 cores (8P + 8E), 3.4GHz to 5.4GHz, 125W
- 13th Generation Intel® Core™ i7-13700 vPro®, 30 MB cache, 16 cores (8P + 8E), 2.1GHz to 5.2GHz, 65W
- 13th Generation Intel® Core™ i5-13600K vPro®, 24 MB cache, 14 cores (6P + 8E), 3.5GHz to 5.1GHz, 125W
- 13th Generation Intel® Core™ i5-13600 vPro®, 24 MB cache, 14 cores (6P + 8E), 2.7GHz to 5.0GHz, 65W
- 13th Generation Intel® Core™ i5-13500 vPro®, 24 MB cache, 14 cores (6P + 8E), 2.5GHz to 4.8GHz, 65W
- 13th Generation Intel® Core™ i5-13400, 20 MB cache, 10 cores (6P + 4E), 2.5GHz to 4.6GHz, 65W
- 13th Generation Intel® Core™ i3-13100, 12 MB cache, 4 cores (4P + 0E), 3.4 GHz to 4.5GHz, 60W
- 12th Generation Intel® Core™ i9-12900K vPro®, 30MB cache, 16 cores (8P+8E), 3.2GHz to 5.2GHz, 125W
- 12th Generation Intel® Core™ i9-12900 vPro®, 30MB cache, 16 cores (8P+8E), 2.4GHz to 5.1GHz, 65W
- 12th Generation Intel® Core™ i7-12700K vPro®, 25MB cache, 12 cores (8P+4E), 3.6GHz to 5.0GHz, 125W
- 12th Generation Intel® Core™ i7-12700 vPro®, 25MB cache, 12 cores (8P+4E), 2.1GHz to 4.9GHz, 65W
- 12th Generation Intel® Core™ i5-12600K vPro®, 20MB cache, 10 cores (6P+4E), 3.7GHz to 4.9GHz, 125W
- 12th Generation Intel® Core™ i5-12600 vPro®, 18MB cache, 6 cores (6P+0E), 3.3GHz to 4.8GHz, 65W
- 12th Generation Intel® Core™ i5-12500 vPro®, 18MB cache, 6 cores (6P+0E), 3.0GHz to 4.6GHz, 65W
- 12th Generation Intel® Core™ i3-12100 vPro®, 12MB cache, 4 cores (4P+0E), 3.3GHz to 4.3GHz, 60W<sup>27,28</sup>

Note: All processors come with Intel® Integrated Graphics

Processor Cooling options<sup>29,30</sup>

1. Standard CPU Air Cooler (for up to 65W CPUs)
2. Advanced CPU Air Cooler (for all CPUs)
3. Premium CPU Liquid Cooler (for all CPUs)

**OPERATING SYSTEM<sup>15</sup>**

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 IoT 2021 LTSC (OEM Only)<sup>35</sup>
- Windows 10 CMIT Government Edition, 64-bit (China only)
- Ubuntu® Linux® 22.04 LTS, 64-bit
- Kylin V 10 SP1
- Red Hat® Enterprise Linux® 8.6 (12th Gen Intel processors only)

**MEMORY OPTIONS<sup>15,16,17</sup>**

- 4 DIMM Slots: Up to 128GB or up to 4400MHz ECC and Non-ECC DDR5
- Maximum speed: 4400MHz
- Maximum capacity: 128GB
- Maximum memory speed varies by the following configuration on each channel. If the 2 DIMM configuration is not symmetrical, the maximum speed may drop.
- 4400MHz: 1 DIMM-1R/2R
- 4000MHz: 2 DIMM-1R
- 3600MHz: 2 DIMM-2R

- 8GB, 1 x 8GB, DDR5, 4400MHz, Non-ECC
- 16GB, 2 x 8GB, DDR5, 4400MHz, Non-ECC, dual-channel
- 32GB, 2 x 16GB, DDR5, 4400MHz, Non-ECC, dual-channel
- 64GB, 2 x 32GB, DDR5, 4400MHz, Non-ECC, dual-channel
- 32GB, 4 x 8GB, DDR5, 4000MHz, Non-ECC, dual-channel
- 64GB, 4 x 16GB, DDR5, 4000MHz, Non-ECC, dual-channel
- 128GB, 4 x 32GB, DDR5, 3600MHz, Non-ECC, dual-channel
- 16GB, 1 x 16GB, DDR5, 4400MHz, ECC
- 32GB, 2 x 16GB, DDR5, 4400MHz, ECC, dual-channel
- 64GB, 2 x 32GB, DDR5, 4400MHz, ECC, dual-channel
- 64GB, 4 x 16GB, DDR5, 4000MHz, ECC, dual-channel
- 128GB, 4 x 32GB, DDR5, 3600MHz, ECC, dual-channel<sup>31</sup>

**STORAGE<sup>15,19</sup>**

- Support for up to (3) M.2 2280 PCIe NVMe SSD on motherboard and up to (3) 3.5-inch SATA<sup>33,34</sup> or (4) 2.5-inch SATA HDDs
- Front accessible 2.5-inch SATA or 3.5-inch SATA HDD (with lockable door and key) available with specific storage configurations
- Support for Intel® Ready Mode™ technology
- Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive with active cooling
- RAID 0/1/5/10 available

## FEATURE TECHNICAL SPECIFICATION

**STORAGE<sup>15,19</sup>**

- M.2 2230, 256GB, PCIe NVMe® Class 35 SSD
- M.2 2280, 512GB, PCIe NVMe® Class 40 SSD
- M.2 2280, 1TB, PCIe NVMe® Class 40 SSD
- M.2 2280, 2TB, PCIe NVMe® Class 40 SSD
- M.2 2280, 4TB, PCIe NVMe® Class 40 SSD
- M.2 2280, 512GB, PCIe NVMe® SSD, Self-Encrypting drive
- M.2 2280, 1TB, PCIe NVMe® SSD, Self-Encrypting drive
- 2.5-inch, 500GB, 7200RPM, SATA, HDD
- 2.5-inch, 500GB, 7200RPM, Self-Encrypting, Opal 2.0, FIPS, SATA, HDD
- 2.5-inch, 1TB, 7200RPM, SATA, HDD
- 3.5-inch, 1TB, 7200RPM, SATA, HDD
- 3.5-inch, 2TB, 7200RPM, SATA, HDD
- 3.5-inch, 4TB, 5400RPM, SATA, HDD
- 3.5-inch, 4TB, 7200RPM, SATA, Enterprise HDD<sup>32</sup>
- 3.5-inch, 8TB, 7200RPM, SATA, Enterprise HDD<sup>32</sup>

**GRAPHICS**

- One PCI Express x16 Gen5 slot supporting graphics cards up to 450W (Total power available for Discrete Graphics cards)
- Some cards are available in Dual configurations

- Intel® UHD Graphics 730 for 12th Generation Core i3, 13th generation core i3 and core i5-13400 processors
- Intel® UHD Graphics 770 for 12th generation core i5/i7/i9, 13th generation core i7/i9 and i5-13500, i5-13600, i5-13600K processors
- NVIDIA® RTX A6000, 48GB, GDDR6
- NVIDIA® RTX A5500, 24GB, GDDR6
- NVIDIA® RTX A5000, 24GB, GDDR6
- NVIDIA® RTX A4500, 20GB, GDDR6
- NVIDIA® RTX A4000, 16GB, GDDR6
- NVIDIA® RTX A2000, 12GB, GDDR6
- NVIDIA® T1000, 8GB, GDDR6
- NVIDIA® T400, 4GB, GDDR6
- AMD Radeon™ Pro W6800, 32GB, GDDR6
- AMD Radeon™ Pro RX6900XT, 16GB, GDDR6
- AMD Radeon™ Pro W6600, 8GB, GDDR6
- AMD Radeon™ Pro W6400, 4GB, GDDR6

**CASE COLOR** Dell Standard Black

**PRODUCTIVITY SW<sup>15</sup>**

- Microsoft Office 30 Day Trial
- Microsoft Office Home and Business 2021
- Microsoft Office Professional 2021
- Dell Optimizer for Precision

**SECURITY**

- McAfee® Small Business Security 30 Day Free Trial
- McAfee® Small Business Security 12 month subscription
- McAfee® Small Business Security 36 month Subscription
- Intel Guard Technologies & Secure Key: Software Guard (SGX), Data Guard (vPro only), Boot Guard, BIOS Guard (Core CPU's only), OS Guard (Core CPU's only) and Secure Key (i5 or greater only)
- Intel Runtime BIOS Resilience (Copper Point) with attestation via Nifty Rock + Intel TXT
- Support of Absolute Persistent Module BIOS agent v2
- OpenXT validation required
- SafeGuard and Response, powered by VMware Carbon Black and Secureworks
- Next Generation Antivirus (NGAV)
- Endpoint Detection and Response (EDR)
- Threat Detection and Response (TDR)
- Managed Endpoint Detection and Response
- Incident Management Retainer
- Emergency Incident Response
- SafeData

**WARRANTY<sup>23,24</sup>**

- 1 years Basic Warranty with Hardware Service on site service after remote diagnosis
- 2 years Basic Warranty Extension
- 3 years Basic Warranty Extension
- 4 years Basic Warranty Extension
- 5 years Basic Warranty Extension

- 1 years ProSupport with Next Business Day on-site service
- 2 years ProSupport with Next Business Day on-site service
- 3 years ProSupport with Next Business Day on-site service
- 4 years ProSupport with Next Business Day on-site service
- 5 years ProSupport with Next Business Day on-site service
- 1 years ProSupport Plus for Client with Next Business Day on-site service
- 2 years ProSupport Plus for Client with Next Business Day on-site service
- 3 years ProSupport Plus for Client with Next Business Day on-site service
- 4 years ProSupport Plus for Client with Next Business Day on-site service
- 5 years ProSupport Plus for Client with Next Business Day on-site service

**ACCIDENTAL DAMAGE SERVICES**

- 1 Years Accidental Damage Service
- 2 Years Accidental Damage Service
- 3 Years Accidental Damage Service
- 4 Years Accidental Damage Service
- 5 Years Accidental Damage Service

**KEYBOARD<sup>15</sup>** Yes

PRECISION

# 3660 TOWER

## FEATURE TECHNICAL SPECIFICATION

### PORTS, SLOTS & CHASSIS

**Front ports:**  
USB 3.2 Type-A Gen 1 (5GB) port  
USB 3.2 Type-A Gen 1 (5GB) port with PowerShare  
USB 3.2 Type-C Gen 2 (10GB) port  
USB 3.2 Type-C Gen 2x2 (20GB) port with PowerShare  
Universal audio port  
SD-card slot

**Rear ports:**  
(2) DisplayPort 1.4 ports  
(2) USB 2.0 (480MB) ports with SmartPower  
(2) USB 3.2 Gen 2 (10GB) ports  
(2) USB 3.2 Type-C Gen 2 (10GB) ports  
RJ45 Ethernet port, 1GbE  
Audio Line out  
Optional Port (VGA, HDMI 2.0, DP++ 1.4, Type-C w/ DP-Alt mode)  
RJ45 Ethernet port, 2.5GbE (optional)

Full-height Gen5 PCIe x16 slot  
Full-height Gen3 PCIe x4 slot  
Full-height Gen 4 PCIe x4 slot  
M.2 2230 slot for WiFi and Bluetooth card  
(2) M.2 2230/2280 PCIe Gen4 slots for NVMe SSDs  
M.2 2280 PCIe Gen3 slot for NVMe SSD  
(5) SATA slots for 2.5/3.5 inch HDD/ODD

### OPTICAL DRIVE

8x DVD-ROM 9.5mm Optical Disk Drive  
8x DVD+/-RW 9.5mm Optical Disk Drive  
Integrated Smart Card Reader with Contact and Contactless Support (CAC/PIV)

### ADD-IN CARDS

Serial Port Card  
Thunderbolt 4 PCIe Card  
Zoom Ultra-speed Card  
WLAN External Antenna AIC  
USB 4.0 Type-C PCIe AIC card  
Intel Gigabit Ethernet 2.5GbE NIC PCIe Card

### MULTIMEDIA<sup>16</sup>

(SOLD SEPARATELY IN MOST CASES)

Realtek Audio Controller, ALC3246-CG  
Internal speakers (optional)

### CONNECTIVITY OPTIONS

Qualcomm® WCN6856-DBS, 2x2MIMO, 3571Mbps, 2.4Ghz/5Ghz/6Ghz, Wi-Fi 6E (Wi-Fi 802.11ax), Bluetooth 5.2 (Coming post launch)  
Intel® AX211, 2x2MIMO, 2400Mbps, 2.4Ghz/5Ghz/6Ghz, Wi-Fi 6E (Wi-Fi 802.11ax), Bluetooth 5.2

### PRIMARY BATTERY

N/A

### POWER OPTIONS

300W internal power supply unit, 92% Efficient PSU, 80 Plus Platinum  
500W internal power supply unit, 92% Efficient PSU, 80 Plus Platinum  
1000W internal power supply unit, 92% Efficient PSU, 80 Plus Platinum

### REGULATORY AND ENVIRONMENTAL COMPLIANCE<sup>22,26</sup>

Product Safety, EMC and Environmental Datasheets  
Dell Regulatory Compliance Home Page  
Dell and the Environment

### CHIPSET

Intel® W680

### HARDWARE SECURITY

Security-cable slot  
Padlock loop  
Lockable Cable Cover (optional)  
Lockable Bezel and Key for Front Accessible SATA HDD (optional)  
Chassis intrusion switch  
SafeID including Trusted Platform Module (TPM) 2.0  
Smart card keyboard (FIPS)  
Microsoft 10 Device Guard and Credential Guard (Enterprise SKU)  
Microsoft Windows BitLocker  
Local hard drive data wipe through BIOS (Secure Erase)  
Self-encrypting storage drives (Opal, FIPS)  
Trusted Platform Module TPM 2.0  
China TPM  
Intel Secure Boot  
Intel Authenticate  
SafeBIOS: includes Dell Off-host BIOS Verification, BIOS Resilience, BIOS Recovery, and additional BIOS Controls

## FEATURE TECHNICAL SPECIFICATION

### RECOMMENDED ACCESSORIES (SOLD SEPARATELY)

**Mouse:**  
3Dconnexion SpaceMouse Wireless - 3DX-700066  
**Audio and Speakers:**  
Dell Slim Soundbar - SB521A  
**Audio Headsets:**  
Dell Pro Wireless Headset - WL5022  
**Display:**  
Dell UltraSharp 27 Monitor - U2722D  
Dell UltraSharp 34 Curved USB-C HUB Monitor - U3421WE  
**Keyboards:**  
Dell Pro Wireless Keyboard and Mouse - KM5221W

### SYSTEMS MANAGEMENT

Dell Client Command Suite for In-Band systems management  
Intel® vPro™ for Out-of-Band systems management

### CONFIGURATION SERVICES

Factory image load  
BIOS customization  
Hardware customization  
Asset Tagging and Reporting

### DIMENSIONS & WEIGHT

**US:**  
Height: 14.52in. (369.00mm)  
Width: 6.81in. (173.00mm)  
Depth: 16.53in. (420.00mm)  
Weight: 18.739lbs (8.5kg)

**Rest of the world:**  
Height: 369.00mm (14.52in.)  
Width: 173.00mm (6.81in.)  
Depth: 420.00mm (16.53in.)  
Weight: 8.5kg (18.739lbs)

SUSTAINABILITY ON

# DELL PRECISION WORKSTATIONS

Dell Precision fixed and mobile workstations are designed with the environment in mind, using sustainable materials in our products and packaging wherever possible.



## Up to 5 types

Of recycled or renewable materials used in the components of select Precision Mobile Work Stations<sup>1</sup>:

## 1st

Precision 5680 is the first Precision Mobile workstation to use low carbon emissions and recycled aluminum<sup>2</sup> in its chassis.

## 100%

New Precision Mobile Workstations ship in packaging made from 100% recycled or renewable materials and is 100% recyclable<sup>3</sup>.

## Ecolabels

### 30+

EPEAT Gold registered products



### 8.0

ENERGY STAR 8.0 throughout



Data as of February 2023

<sup>1</sup> Based on internal analysis, January 2023. Applies to Precision 3480, 3580 and 3581.

<sup>2</sup> Based on internal analysis, March 2023

<sup>3</sup> New packaging is made with up to 93.2% recycled content and up to 61.2% renewable content in the form of renewable paper fibers. Material makeup varies by product and size. Excludes optional items added to order and included in box. Paper packaging materials can be recycled via municipal recycling, where available. System bag is made from recycled plastic and can be recycled along with other thin plastics.

**DELL**Technologies



\* 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.

\*\* Available as Custom Factory Installation option through CRU QX118

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.

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](http://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](http://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 Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality

19 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 TPM is available in selected regions.

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

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

23 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).

24 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.

25 Dell Services: Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions).

26 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).

27 Intel® Turbo Boost Max Technology 3.0 is only available with i7-12700, i9-12900, i7-12700K, i9-12900K processors.

28 Intel® Turbo Max Technology 3.0 is only available on Performance Cores.

29 125 W Processors can only have the Advanced CPU Air Cooler or Premium CPU Liquid Cooler.

30 300 W Power supply units can only have the Standard CPU Air Cooler.

31 ECC memory is not supported on Intel Core i3-12100 processor.

32 Available as Custom Factory Install (CFI) only.

33 (3) 3.5-inch SATA HDDs available with specific storage configurations only.

34 Up to (2) M.2 2230 PCIe NVMe SSDs are supported on the MB.

35 Available through Custom Factory Installation Only