

# Dell Pro 24 All-in-One QC24251

## Owner's Manual

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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# Views of Dell Pro 24 All-in-One QC24251

## Right



**Figure 1. Right view**

**1. USB 3.2 Gen 2 (10 Gbps) port with PowerShare**

Connect devices such as external storage devices, printers, and external displays. Provides a data transfer speed of up to 10 Gbps.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 10 W power output that enables faster charging.

**NOTE:** PowerShare enables you to charge your USB devices even when your computer is turned off.

**NOTE:** If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.

## Left



**Figure 2. Left view**

**1. Storage drive activity light**

The activity light turns on when the computer reads from or writes to storage drives.

**2. Global headset jack**

Connect headphones or a headset (headphone and microphone combo).

# Front



**Figure 3. Front view**

**1. Left microphone**

Provides digital sound input for audio recording and voice calls.

**2. Right microphone**

Provides digital sound input for audio recording and voice calls.

**3. Retractable camera**

Enables you to video-chat, capture photos, and record videos. To protect your privacy, this camera can be retracted when it is not in use.

**4. Right speaker**

Provides audio output.

**5. Left speaker**

Provides audio output.

# Retractable camera

## Locating the retractable camera

**NOTE:** To access your retractable camera, press down on the retractable camera located at the top of your computer. To conceal your retractable camera and protect your privacy, press down on the retractable camera until it clicks into place.



Figure 4. Locating the retractable camera

# Retractable camera

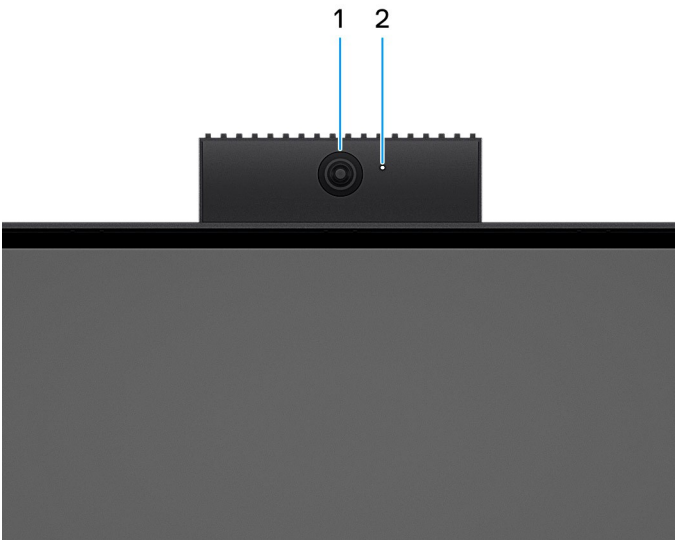


Figure 5. Retractable camera

- 1. **Camera**  
Enables you to video chat, capture photos, and record videos.
- 2. **Camera-status light**  
Turns on when the camera is in use.

# Bottom

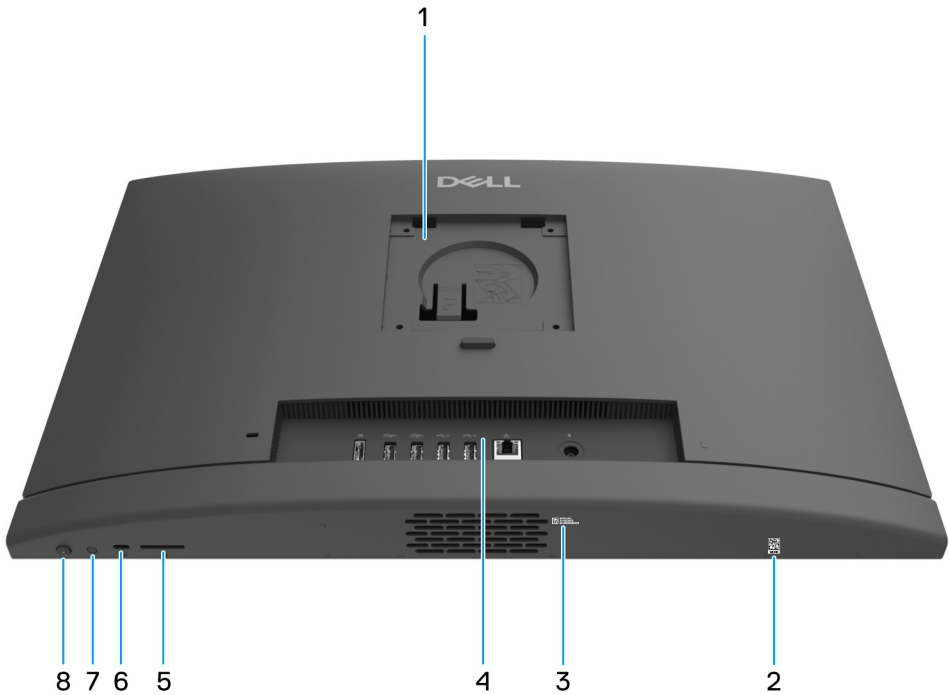


Figure 6. Bottom view

### 1. **Stand/VESA mount location**

Enables to install a 100 mm x 100 mm screw-pitch VESA connection for use in standard environmental conditions, or one of the stands offered by Dell for your computer.

### 2. **MyDell QR code**

MyDell is your hub for content personalized to your Dell Pro 24 All-in-One QC24251, including videos, articles, manuals, and easy access to support.

### 3. **Service Tag label**

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

### 4. **Back panel**

Connect USB, audio, video, and other devices.

### 5. **SD-card slot**

Insert an SD card to read from and write to the SD card.

### 6. **USB 3.2 Gen 2 (10 Gbps) Type-C port**

Connect devices such as external storage devices and printers. Provides a data transfer rate of up to 10 Gbps.

### 7. **Display Built-in Self Test (BIST)**

Press and hold this button until your computer initiates the Built-in Self Test (BIST).

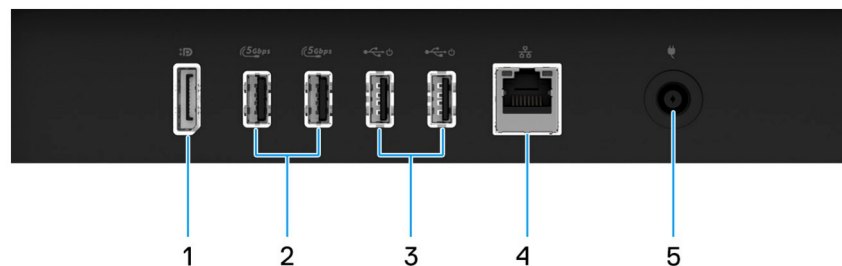
### 8. **Power button**

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 10 seconds to force shut-down the computer.

 **NOTE:** You can customize the power-button behavior in Windows.

## Back panel



**Figure 7. Back panel**

### 1. **DisplayPort++ 1.4a HBR3/ HDCP 2.3 port**

Connect an external display or a projector. Can support video output of up to 5120 x 3200 at 60 Hz.

### 2. **USB 3.2 Gen 1 (5 Gbps) ports**

Connect devices such as external storage devices and printers. Provides a data transfer speed of up to 5 Gbps.

### 3. **USB 2.0 ports with SmartPower On**

Connect devices such as external storage devices and printers. Provides a data transfer speed of up to 480 Mbps.

 **NOTE:** When USB wake is enabled in the BIOS, the computer powers on or wakes from hibernation whenever a USB mouse or keyboard that is connected to this port is used.

#### **4. RJ45 ethernet port (1 Gbps)**

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.

#### **5. Power-adaptor port**

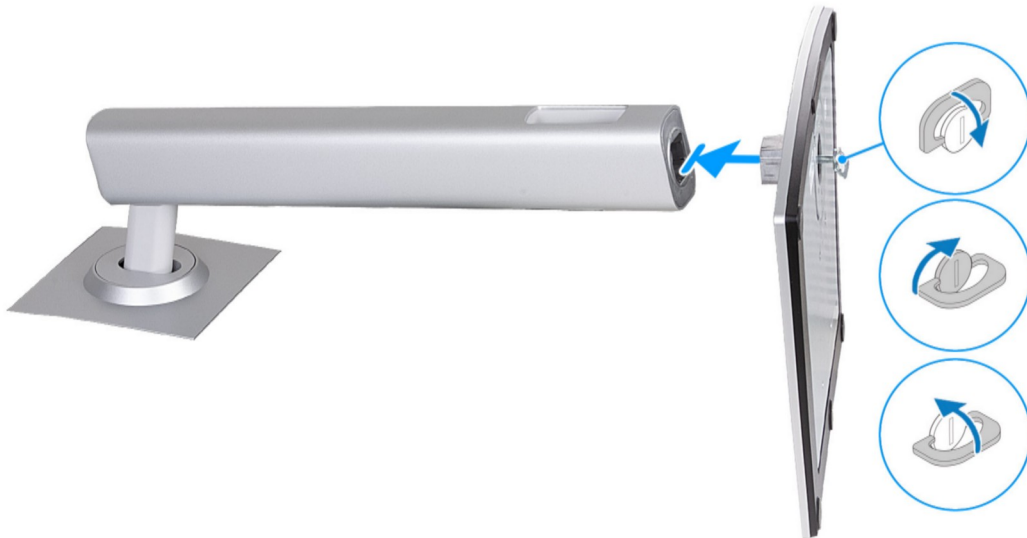
Connect a power adapter to provide power to your computer.

## Set up your computer

### Steps

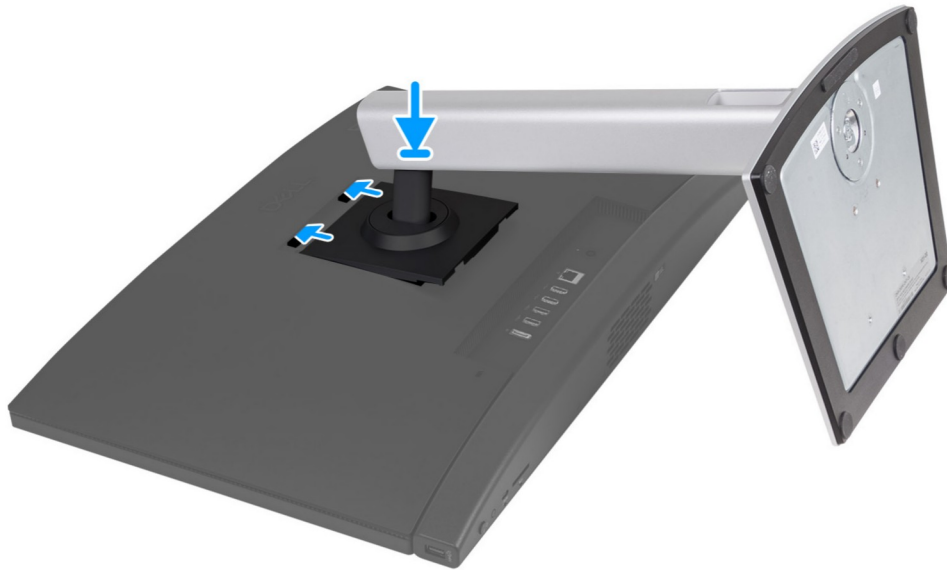
1. Connect the stand base to the stand.

 **NOTE:** You can use these instructions to install any of the stand configurations offered on your computer.



**Figure 8. Installing the stand base**

2. Insert the stand into the slot on the back cover and press downwards until it snaps into place.

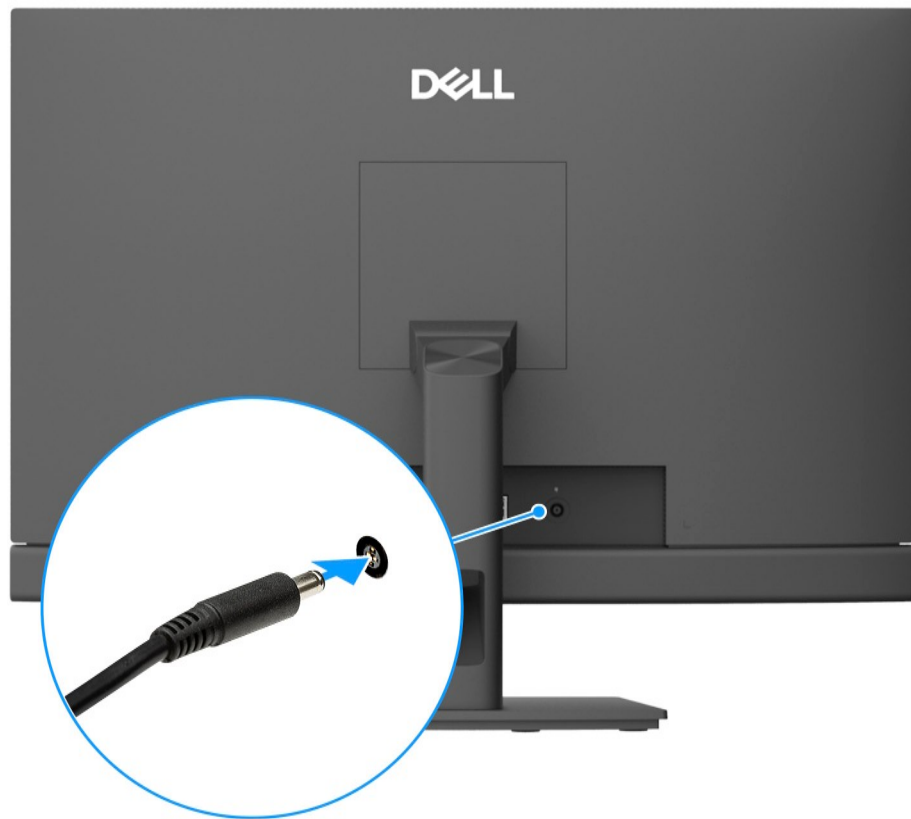


**Figure 9. Installing the stand**

3. Set up the keyboard and mouse.

**NOTE:** For setup instructions, see the documentation shipped with the keyboard and mouse.

4. Connect the power cable.



**Figure 10. Connecting the power cable**

5. Press the power button to turn on your computer.



**Figure 11. Pressing the power button on your computer**

6. Finish the operating system setup.

**For Ubuntu:**

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles at [Dell Support Site](#).

**For Windows:**

Follow the on-screen instructions to complete the setup. When setting up, Dell Technologies recommends that you:

- Connect to a network for Windows updates.

 **NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.

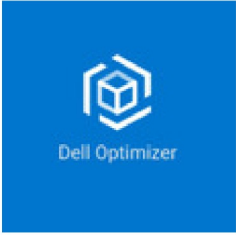
- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.

 **NOTE:** Depending on the version of Windows installed, an internet connection may be required to set up your computer in order to sign-in to your Microsoft account or to create a Microsoft account.

- On the **Support and Protection** screen, enter your contact details.

7. Locate and use Dell apps from the Windows Start menu—Recommended.

**Table 1. Locate Dell apps**

| Resources                                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p>Dell Optimizer is an application designed to enhance computer performance and productivity by optimizing settings for power, battery, display, collaboration touchpad, and presence detection. It also provides access to applications purchased with your new computer.</p> <p>For more information, see Dell Optimizer User's Guide at <a href="#">Dell Support Site</a></p>                                                                                                                                                       |
|   | <p><b>Dell Product Registration</b></p> <p>Register your computer with Dell.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|   | <p><b>Dell Help &amp; Support</b></p> <p>Access help and support for your computer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  | <p><b>SupportAssist</b></p> <p>SupportAssist is a proactive and predictive technology that offers automated technical support for Dell computers. It proactively monitors both hardware and software, addressing performance issues, preventing security threats, and automating engagement with Dell Technical Support.</p> <p>For more information, see SupportAssist documentation at <a href="#">Dell Support Site</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p> |

# Specifications of Dell Pro 24 All-in-One QC24251

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell Pro 24 All-in-One QC24251.

**Table 2. Dimensions and weight**

| Description                                                                                                                                                                          | Values                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height:                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                        |
| Front height                                                                                                                                                                         | 354.30 mm (13.95 in.)                                                                                                                                                                                                                                                                                                                                                  |
| Rear height                                                                                                                                                                          | 354.30 mm (13.95 in.)                                                                                                                                                                                                                                                                                                                                                  |
| Width                                                                                                                                                                                | 540 mm (21.26 in.)                                                                                                                                                                                                                                                                                                                                                     |
| Depth                                                                                                                                                                                | 57.90 mm (2.28 in.)                                                                                                                                                                                                                                                                                                                                                    |
| Weight<br> <b>NOTE:</b> The weight of your computer depends on the configuration that is ordered. | <ul style="list-style-type: none"> <li>• Minimum (Fixed stand): 7.12 kg (15.69 lb)</li> <li>• Maximum (Fixed stand): 8.43 kg (18.57 lb)</li> <li>• Minimum (HAS stand): 8.09 kg (17.83 lb)</li> <li>• Maximum (HAS stand): 9.40 kg (20.71 lb)</li> <li>• Minimum (without stand): 5.22 kg (11.49 lb)</li> <li>• Maximum (without stand): 6.53 kg (14.38 lb)</li> </ul> |

## Processor

The following table lists the details of the processors supported by your Dell Pro 24 All-in-One QC24251.

**Table 3. Processor**

| Description                                                                                                                                                                                                                                           | Option one                   | Option two                   | Option three           | Option four            | Option five               | Option six                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------|------------------------|---------------------------|---------------------------|
| Processor type                                                                                                                                                                                                                                        | Intel Core Ultra 5 235T vPro | Intel Core Ultra 5 245T vPro | Intel 300T             | Intel Core i3-14100T   | Intel Core i5-14500T vPro | Intel Core i5-14600T vPro |
| Processor wattage                                                                                                                                                                                                                                     | 35 W                         | 35 W                         | 35 W                   | 35 W                   | 35 W                      | 35 W                      |
| Processor total core count                                                                                                                                                                                                                            | 14                           | 14                           | 2                      | 4                      | 14                        | 14                        |
| Performance-cores                                                                                                                                                                                                                                     | 6                            | 6                            | 2                      | 4                      | 6                         | 6                         |
| Efficient-cores                                                                                                                                                                                                                                       | 8                            | 8                            | 0                      | 0                      | 8                         | 8                         |
| Processor total thread count                                                                                                                                                                                                                          | 14                           | 14                           | 4                      | 8                      | 20                        | 20                        |
|  <b>NOTE:</b> Intel Hyper-Threading Technology is only available on Performance-cores.                                                                               |                              |                              |                        |                        |                           |                           |
| Processor speed                                                                                                                                                                                                                                       | Up to 5.00 GHz               | Up to 5.10 GHz               | 3.40 GHz               | Up to 4.40 GHz         | Up to 4.80 GHz            | Up to 5.10 GHz            |
| Performance-cores frequency                                                                                                                                                                                                                           |                              |                              |                        |                        |                           |                           |
| Processor base frequency                                                                                                                                                                                                                              | 2.20 GHz                     | 2.20 GHz                     | 3.40 GHz               | 2.70 GHz               | 1.70 GHz                  | 1.80 GHz                  |
| Maximum turbo frequency                                                                                                                                                                                                                               | 5.00 GHz                     | 5.10 GHz                     | NA                     | 4.40 GHz               | 4.80 GHz                  | 5.10 GHz                  |
| Efficient-cores frequency                                                                                                                                                                                                                             |                              |                              |                        |                        |                           |                           |
| Processor base frequency                                                                                                                                                                                                                              | 1.60 GHz                     | 1.70 GHz                     | NA                     | NA                     | 1.20 GHz                  | 1.30 GHz                  |
| Maximum turbo frequency                                                                                                                                                                                                                               | 4.40 GHz                     | 4.50 GHz                     | NA                     | NA                     | 3.40 GHz                  | 3.60 GHz                  |
| Processor cache                                                                                                                                                                                                                                       | 24 MB                        | 24 MB                        | 6 MB                   | 5 MB                   | 24 MB                     | 24 MB                     |
| Integrated graphics                                                                                                                                                                                                                                   | Intel Graphics               | Intel Graphics               | Intel UHD Graphics 710 | Intel UHD Graphics 730 | Intel UHD Graphics 770    | Intel UHD Graphics 770    |
| AI technology                                                                                                                                                                                                                                         | Intel AI Boost               | Intel AI Boost               | None                   | None                   | None                      | None                      |
| Neural Processing Unit (NPU) performance                                                                                                                                                                                                              | Up to 13 TOPS                | Up to 13 TOPS                | Not applicable         | Not applicable         | Not applicable            | Not applicable            |
|  <b>NOTE:</b> Tera Operations Per Second (TOPS) is an AI performance metric that measures how many trillions of operations per second an AI processor can perform. |                              |                              |                        |                        |                           |                           |

# Chipset

The following table lists the details of the chipset that is supported by your Dell Pro 24 All-in-One QC24251.

Table 4. Chipset

| Description    | Option one                                                                                | Option two                                                 |
|----------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Processors     | Intel 300T/ Intel Core i3-14100T/<br>Intel Core i5-14500T vPro/ Intel Core i5-14600T vPro | Intel Core Ultra 5 245T vPro/ Intel Core Ultra 5 235T vPro |
| Chipset        | Intel Q670                                                                                | Intel Q870                                                 |
| DRAM bus width | 64-bit                                                                                    | 64-bit                                                     |
| Flash EPROM    | 32 MB + 32 MB                                                                             | 32 MB + 32 MB                                              |
| PCIe bus       | Up to Gen4                                                                                | Up to Gen4                                                 |

# Operating system

Your Dell Pro 24 All-in-One QC24251 supports the following operating systems:

- Windows 11 Home
- Windows 11 Professional
- Windows 11 Pro National Academic
- Windows 11 IoT Enterprise LTSC 2024
- Dell ThinOS 10
- Ubuntu Linux 24.04 LTS

# Memory

The following table lists the memory specifications that are supported by your Dell Pro 24 All-in-One QC24251.

Table 5. Memory specifications

| Description                     | Values                                                                                                                                    |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Memory slots                    | Two SoDIMM slots                                                                                                                          |
| Memory type                     | DDR5                                                                                                                                      |
| Memory speed                    | <ul style="list-style-type: none"><li>• 5200 MT/s</li><li>• up to 4800 MT/s</li><li>• up to 5600 MT/s</li><li>• up to 6400 MT/s</li></ul> |
| Maximum memory configuration    | 64 GB                                                                                                                                     |
| Minimum memory configuration    | 8 GB                                                                                                                                      |
| Memory size per slot            | 8 GB, 16 GB, or 32 GB                                                                                                                     |
| Memory configurations supported | <ul style="list-style-type: none"><li>• Intel Core Ultra 5 245T vPro/ Intel Core Ultra 5 235T vPro/ Intel Core i5-14600T vPro:</li></ul>  |

**Table 5. Memory specifications (continued)**

| Description | Values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | <ul style="list-style-type: none"> <li>○ 8 GB: 1 x 8 GB, DDR5, 5600 MT/s, SoDIMM, single-channel</li> <li>○ 16 GB: 2 x 8 GB, DDR5, 5600 MT/s, SoDIMM, dual-channel</li> <li>○ 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, SoDIMM, single-channel</li> <li>○ 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, SoDIMM, dual-channel</li> <li>○ 32 GB: 1 x 32 GB, DDR5, 5600 MT/s, SoDIMM, single-channel</li> <li>○ 64 GB: 2 x 32 GB, DDR5, 5200 MT/s, SoDIMM, dual-channel</li> <li>● Intel Core Ultra 5 245T vPro/ Intel Core Ultra 5 235T vPro: <ul style="list-style-type: none"> <li>○ 8 GB: 1 x 8 GB, DDR5, 6400 MT/s, SoDIMM, single-channel</li> <li>○ 16 GB: 2 x 8 GB, DDR5, 6400 MT/s, SoDIMM, dual-channel</li> <li>○ 16 GB: 1 x 16 GB, DDR5, 6400 MT/s, SoDIMM, single-channel</li> </ul> </li> <li>● For Intel 300T/ Intel Core i3-14100T/ Intel Core i5-14500T vPro: <ul style="list-style-type: none"> <li>○ 8 GB: 1 x 8 GB, DDR5, 4800 MT/s, SoDIMM, single-channel</li> <li>○ 16 GB: 2 x 8 GB, DDR5, 4800 MT/s, SoDIMM, dual-channel</li> <li>○ 16 GB: 1 x 16 GB, DDR5, 4800 MT/s, SoDIMM, single-channel</li> <li>○ 32 GB: 2 x 16 GB, DDR5, 4800 MT/s, SoDIMM, dual-channel</li> <li>○ 32 GB: 1 x 32 GB, DDR5, 4800 MT/s, SoDIMM, single-channel</li> <li>○ 64 GB: 2 x 32 GB, DDR5, 4800 MT/s, SoDIMM, dual-channel</li> </ul> </li> </ul> |

## External ports and slots

The following table lists the external ports and slots of your Dell Pro 24 All-in-One QC24251.

**Table 6. External ports and slots**

| Description       | Values                                                                                                                                                                                                                                              |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network port      | One RJ45 ethernet port (1 Gbps)                                                                                                                                                                                                                     |
| USB ports         | <ul style="list-style-type: none"> <li>● One USB 3.2 Gen 2 (10 Gbps) port with PowerShare</li> <li>● One USB 3.2 Gen 2 (10 Gbps) Type-C port</li> <li>● Two USB 3.2 Gen 1 (5 Gbps) ports</li> <li>● Two USB 2.0 ports with SmartPower On</li> </ul> |
| Audio port        | One global headset jack                                                                                                                                                                                                                             |
| Video port(s)     | One DisplayPort++ 1.4a HBR3/ HDCP 2.3 port                                                                                                                                                                                                          |
| Media-card reader | One SD-card 4.0 slot                                                                                                                                                                                                                                |

**Table 6. External ports and slots (continued)**

| Description         | Values                                              |
|---------------------|-----------------------------------------------------|
| Power-adaptor port  | One Power-adaptor port                              |
| Security-cable slot | One security-cable slot (3 mm x 7 mm, T-Bar design) |

## Internal slots

The following table lists the internal slots on your Dell Pro 24 All-in-One QC24251.

**Table 7. Internal slots**

| Description | Values                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M.2         | <ul style="list-style-type: none"> <li>One M.2 2230 slot for Wi-Fi and Bluetooth combo card</li> <li>One M.2 2230/2280 slots for solid-state drive</li> </ul> <p> <b>NOTE:</b> To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at <a href="#">Dell Support Site</a>.</p> |
| SATA        | NA                                                                                                                                                                                                                                                                                                                                                                                                                |

## Ethernet

The following table lists the wired ethernet Local Area Network (LAN) specifications of your Dell Pro 24 All-in-One QC24251.

**Table 8. Ethernet specifications**

| Description   | Values           |
|---------------|------------------|
| Model         | Intel i219-LM    |
| Transfer rate | 10/100/1000 Mbps |

## Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Dell Pro 24 All-in-One QC24251.

**Table 9. Wireless module specifications**

| Description               | Option one                                                                                                                                                                | Option two                                                                                                                                                                                                 | Option three                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model number              | Intel Wi-Fi 6E AX211                                                                                                                                                      | Intel Wi-Fi 7 BE200                                                                                                                                                                                        | MediaTek Wi-Fi 6 MT7920                                                                                                                                                  |
| Transfer rate             | Up to 2400 Mbps                                                                                                                                                           | Up to 5760 Mbps                                                                                                                                                                                            | Up to 1200 Mbps                                                                                                                                                          |
| Frequency bands supported | 2.4 GHz/5 GHz/6 GHz                                                                                                                                                       | 2.4 GHz/5 GHz/6 GHz                                                                                                                                                                                        | 2.4 GHz/5 GHz                                                                                                                                                            |
| Wireless standards        | <ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Wi-Fi 6E (Wi-Fi 802.11ax)</li> </ul> | <ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Wi-Fi 6 (Wi-Fi 802.11ax)</li> <li>Wi-Fi 7 (Wi-Fi 802.11be)</li> </ul> | <ul style="list-style-type: none"> <li>Wi-Fi 802.11a/b/g</li> <li>Wi-Fi 4 (Wi-Fi 802.11n)</li> <li>Wi-Fi 5 (Wi-Fi 802.11ac)</li> <li>Wi-Fi 6 (Wi-Fi 802.11ax)</li> </ul> |
| Encryption                | <ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> </ul>                                                                                                      | <ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> </ul>                                                                                                                                       | <ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> </ul>                                                                                                     |

**Table 9. Wireless module specifications (continued)**

| Description             | Option one                                                                                                                                                                                                                     | Option two                                                               | Option three                                                             |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
|                         | <ul style="list-style-type: none"> <li>AES-CCMP</li> <li>TKIP</li> </ul>                                                                                                                                                       | <ul style="list-style-type: none"> <li>AES-CCMP</li> <li>TKIP</li> </ul> | <ul style="list-style-type: none"> <li>AES-CCMP</li> <li>TKIP</li> </ul> |
| Bluetooth wireless card | Bluetooth 5.3                                                                                                                                                                                                                  | Bluetooth 5.4                                                            | Bluetooth 5.4                                                            |
|                         |  <b>NOTE:</b> The functionality of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer. |                                                                          |                                                                          |

## Audio

The following table lists the audio specifications of your Dell Pro 24 All-in-One QC24251.

**Table 10. Audio specifications**

| Description                | Values                                             |
|----------------------------|----------------------------------------------------|
| Audio controller           | Realtek ALC3204                                    |
| Stereo conversion          | Supported                                          |
| Internal audio interface   | High Definition Audio (HDA) interface              |
| External audio interface   | One global headset jack                            |
| Number of speakers         | Two stereo speakers                                |
| Internal-speaker amplifier | Supported                                          |
| External volume controls   | Not applicable                                     |
| Speaker output:            |                                                    |
| Average                    | 3 W x 2 = 6 W                                      |
| Microphone                 | Two microphones in the retractable-camera assembly |

## Storage

This section lists the storage options on your Dell Pro 24 All-in-One QC24251.

Your Dell Pro 24 All-in-One QC24251 supports a combination of:

- One M.2 2230 solid-state drive

The primary drive of your Dell Pro 24 All-in-One QC24251 varies with the storage configuration. For computers, with a M.2 drive, the M.2 drive is the primary drive.

**Table 11. Storage specifications**

| Storage type               | Interface type                    | Capacity   |
|----------------------------|-----------------------------------|------------|
| M.2 2230 Solid State Drive | QLC PCIe Gen4 NVMe, up to 64 Gbps | Up to 2 TB |
| M.2 2230 Solid State Drive | TLC PCIe Gen4 NVMe, up to 64 Gbps | 256 GB     |

# Media-card reader

The following table provides the specification of media cards that are supported by your Dell Pro 24 All-in-One QC24251.

Table 12. Media-card reader specifications

| Description                                                                                                                                                         | Values                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Media-card slot type                                                                                                                                                | One SD-card 4.0 slot                                                                                                                                            |
| Media-cards supported                                                                                                                                               | <ul style="list-style-type: none"><li>Secure Digital (SD)</li><li>Secure Digital High Capacity (SDHC)</li><li>Secure Digital Extended Capacity (SDXC)</li></ul> |
| <b>NOTE:</b> The maximum capacity that is supported by the media-card reader varies depending on the standard of the media card that is installed on your computer. |                                                                                                                                                                 |

# Camera

The following table lists the camera specifications of your Dell Pro 24 All-in-One QC24251.

Table 13. Camera specifications

| Description            | Values                                        |
|------------------------|-----------------------------------------------|
| Number of cameras      | One                                           |
| Camera type            | FHD RGB camera                                |
| Camera location        | Retractable camera on the top of the computer |
| Camera sensor type     | CMOS sensor technology                        |
| Camera resolution:     |                                               |
| Still image            | 2.07 megapixels                               |
| Video                  | 1920 x 1080 (FHD) at 30 fps                   |
| Diagonal viewing angle | 82 degrees                                    |

# Power

The following table lists the power adapter specifications of your Dell Pro 24 All-in-One QC24251.

## Power adapter

**NOTE:** The power adapter specification is only applicable to computers shipped with an Energy Efficient processor.

Table 14. Power adapter specifications

| Description           | Option one       | Option two       |
|-----------------------|------------------|------------------|
| Type                  | 130 W AC adapter | 180 W AC adapter |
| Connector dimensions: |                  |                  |

**Table 14. Power adapter specifications (continued)**

| Description                                                                                                                                                                                                                                                                          |                   | Option one                     | Option two                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------|--------------------------------|
|                                                                                                                                                                                                                                                                                      | External diameter | 7.40 mm (0.29 in.)             | 7.40 mm (0.29 in.)             |
|                                                                                                                                                                                                                                                                                      | Internal diameter | 5.10 mm (0.20 in.)             | 5.10 mm (0.20 in.)             |
| Power-adapter dimensions:                                                                                                                                                                                                                                                            |                   |                                |                                |
|                                                                                                                                                                                                                                                                                      | Height            | 154.70 mm (6.09 in.)           | 155 mm (6.10 in.)              |
|                                                                                                                                                                                                                                                                                      | Width             | 76.20 mm (3 in.)               | 76.20 mm (3 in.)               |
|                                                                                                                                                                                                                                                                                      | Depth             | 25.4 mm (1 in.)                | 30 mm (1.18 in.)               |
| Input voltage                                                                                                                                                                                                                                                                        |                   | 100 VAC–240 VAC                | 100 VAC–240 VAC                |
| Input frequency                                                                                                                                                                                                                                                                      |                   | 50 Hz–60 Hz                    | 50 Hz–60 Hz                    |
| Input current (maximum)                                                                                                                                                                                                                                                              |                   | 2.50 A                         | 2.34 A                         |
| Output current (continuous)                                                                                                                                                                                                                                                          |                   | 6.70 A                         | 9.23 A                         |
| Rated output voltage                                                                                                                                                                                                                                                                 |                   | 19.50 VDC                      | 19.50 VDC                      |
| Temperature range:                                                                                                                                                                                                                                                                   |                   |                                |                                |
|                                                                                                                                                                                                                                                                                      | Operating         | 0°C to 40°C (32°F to 104°F)    | 0°C to 40°C (32°F to 104°F)    |
|                                                                                                                                                                                                                                                                                      | Storage           | -40°C to 70°C (-40°F to 158°F) | -40°C to 70°C (-40°F to 158°F) |
|  <b>CAUTION:</b> Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components. |                   |                                |                                |

## Display

The following table lists the display specifications of your Dell Pro 24 All-in-One QC24251.

**Table 15. Display specifications**

| Description                             |          | Option one                                   | Option two                                   |
|-----------------------------------------|----------|----------------------------------------------|----------------------------------------------|
| Display type                            |          | Full High Definition (FHD), ComfortView Plus | Full High Definition (FHD), ComfortView Plus |
| Touch options                           |          | Non-touch                                    | Touch                                        |
| Display-panel technology                |          | In-Plane Switching (IPS)                     | In-Plane Switching (IPS)                     |
| Display-panel dimensions (active area): |          |                                              |                                              |
|                                         | Height   | 296.46 mm (11.67 in.)                        | 296.46 mm (11.67 in.)                        |
|                                         | Width    | 527.04 mm (20.75 in.)                        | 527.04 mm (20.75 in.)                        |
|                                         | Diagonal | 604.70 mm (23.81 in.)                        | 604.70 mm (23.81 in.)                        |
| Display-panel native resolution         |          | 1920 x 1080                                  | 1920 x 1080                                  |
| Luminance (typical)                     |          | 250 nits                                     | 300 nits                                     |

**Table 15. Display specifications (continued)**

| Description                 | Option one                                                                                                 | Option two                                                                                                 |
|-----------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Megapixels                  | 2.07                                                                                                       | 2.07                                                                                                       |
| Color gamut                 | 99% (sRGB)                                                                                                 | 99% (sRGB)                                                                                                 |
| Pixels Per Inch (PPI)       | 92                                                                                                         | 92                                                                                                         |
| Contrast ratio (minimum)    | <ul style="list-style-type: none"> <li>1050:1, minimum</li> <li>1500:1, typical</li> </ul>                 | <ul style="list-style-type: none"> <li>700:1, minimum</li> <li>1000:1, typical</li> </ul>                  |
| Response time (maximum)     | <ul style="list-style-type: none"> <li>20 ms, minimum</li> <li>14 ms, typical</li> </ul>                   | <ul style="list-style-type: none"> <li>20 ms, minimum</li> <li>14 ms, typical</li> </ul>                   |
| Refresh rate                | 60 Hz (maximum)                                                                                            | 60 Hz (maximum)                                                                                            |
| Horizontal view angle       | <ul style="list-style-type: none"> <li>+/- 85 degrees, minimum</li> <li>+/- 89 degrees, typical</li> </ul> | <ul style="list-style-type: none"> <li>+/- 85 degrees, minimum</li> <li>+/- 89 degrees, typical</li> </ul> |
| Vertical view angle         | <ul style="list-style-type: none"> <li>+/- 85 degrees, minimum</li> <li>+/- 89 degrees, typical</li> </ul> | <ul style="list-style-type: none"> <li>+/- 85 degrees, minimum</li> <li>+/- 89 degrees, typical</li> </ul> |
| Pixel pitch                 | 0.27 mm                                                                                                    | 0.27 mm                                                                                                    |
| Power consumption (maximum) | 15.18 W                                                                                                    | 17.26 W                                                                                                    |
| Anti-glare vs glossy finish | Anti-glare                                                                                                 | Anti-glare                                                                                                 |

## GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell Pro 24 All-in-One QC24251.

**Table 16. GPU—Integrated**

| Controller             | External display support                                      | Memory size          | Processor                                                  |
|------------------------|---------------------------------------------------------------|----------------------|------------------------------------------------------------|
| Intel Graphics         | One DisplayPort++ 1.4a HBR3/HDCP 2.3 port (5120 x 3200@60 Hz) | Shared system memory | Intel Core Ultra 5 245T vPro/ Intel Core Ultra 5 235T vPro |
| Intel UHD Graphics 710 | One DisplayPort++ 1.4a HBR3/HDCP 2.3 port (5120 x 3200@60 Hz) | Shared system memory | Intel 300T                                                 |
| Intel UHD Graphics 730 | One DisplayPort++ 1.4a HBR3/HDCP 2.3 port (5120 x 3200@60 Hz) | Shared system memory | Intel Core i3-14100T                                       |
| Intel UHD Graphics 770 | One DisplayPort++ 1.4a HBR3/HDCP 2.3 port (5120 x 3200@60 Hz) | Shared system memory | Intel Core i5-14500T vPro/ Intel Core i5-14600T vPro       |