

# Inspiron 24-3480

## Setup and Specifications



## 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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# Contents

<b>1 Set up your computer</b> .....	<b>4</b>
<b>2 Create a USB recovery drive for Windows</b> .....	<b>8</b>
<b>3 Views of Inspiron 24-3480</b> .....	<b>9</b>
Front.....	9
Left.....	10
Back.....	10
Back panel.....	11
Bottom.....	12
Tilt.....	12
Pedestal stand.....	12
Easel stand.....	13
<b>4 Retractable camera</b> .....	<b>14</b>
<b>5 Specifications of Inspiron 24-3480</b> .....	<b>15</b>
Dimensions and weight.....	15
System dimensions and weight (without stand).....	15
System dimensions (easel stand).....	15
System dimensions (pedestal stand).....	16
Processors.....	16
Chipset.....	17
Operating system.....	17
Memory.....	17
Intel Optane memory (optional).....	18
Ports and connectors.....	18
Communications.....	19
Ethernet.....	19
Wireless module.....	19
Audio.....	19
Storage.....	20
Media-card reader.....	20
Camera.....	20
Display.....	21
Video.....	21
Stand.....	22
Power adapter.....	22
Computer environment.....	22
<b>6 Getting help and contacting Dell</b> .....	<b>24</b>
Self-help resources.....	24
Contacting Dell.....	24

# Set up your computer

- 1 Set up the stand.

**Easel stand** - Lift the stand riser.



**Pedestal stand**

- a Lift the stand riser.



- b Attach the base.



- c Tighten the captive screw to secure the base to the stand riser.



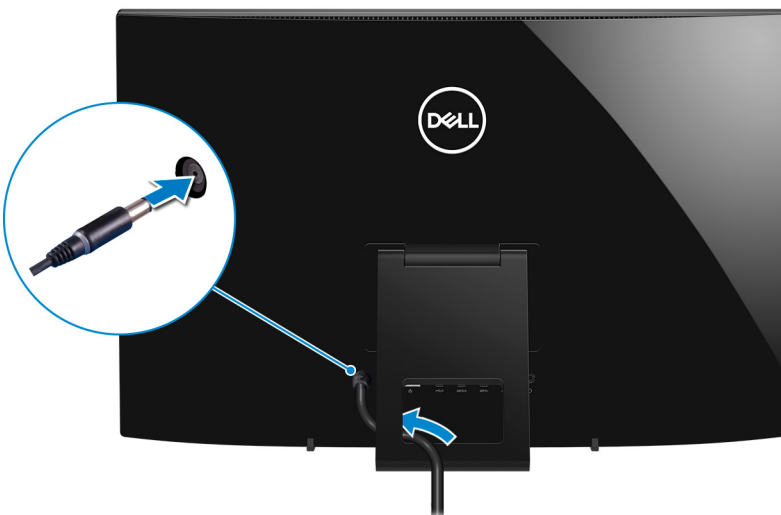
- 2 Connect the keyboard and mouse.

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

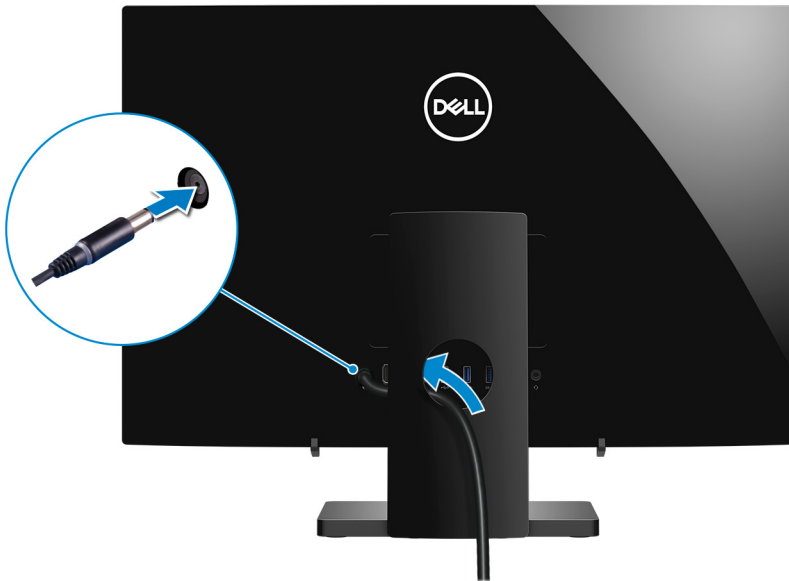
- 3 Connect the power adapter.

**WARNING:** Route the power-adaptor cable through the routing guide on the stand to avoid potential damage to the power adapter and to avoid the unexpected system power-off when the stand is moved to a different orientation.

#### Easel stand



## Pedestal stand



- 4 Press the power button.



- 5 Finish operating system setup.

### For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about configuring the Ubuntu install, see the knowledge base article [SLN151664](https://www.dell.com/support/article/SLN151664) at [www.dell.com/support](https://www.dell.com/support).

### For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell 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.
- On the **Support and Protection** screen, enter your contact details.

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

**Table 1. Locate Dell apps**

Resources	Description
	<p><b>SupportAssist</b></p> <p>Pro-actively checks the health of your computer's hardware and software. The SupportAssist OS Recovery tool troubleshoots issues with the operating system. For more information, see the SupportAssist documentation at <a href="http://www.dell.com/support">www.dell.com/support</a>.</p> <p><b>NOTE:</b> Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.</p>
	<p><b>Dell Update</b></p> <p>Updates your computer with critical fixes and latest device drivers as they become available.</p>
	<p><b>Dell Digital Delivery</b></p> <p>Download software applications, which are purchased but not pre-installed on your computer.</p>

7 Create recovery drive for Windows.

**NOTE:** It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).

# Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

**NOTE:** This process may take up to an hour to complete.

**NOTE:** The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

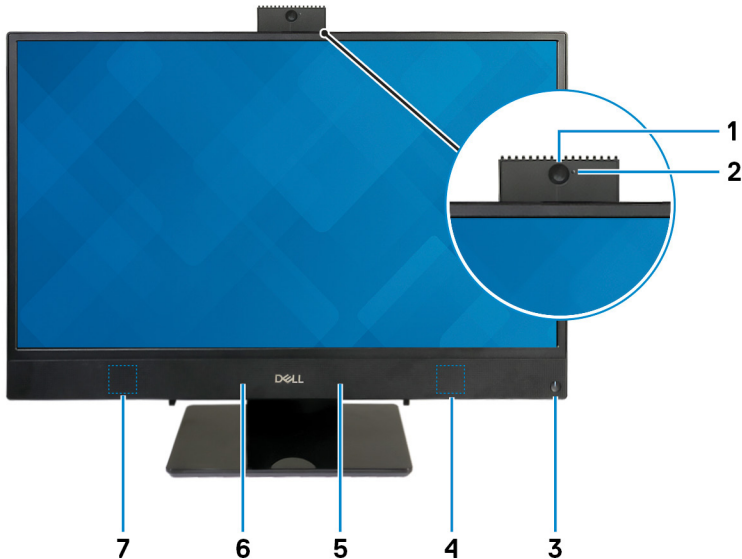
- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.  
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.  
The **Recovery Drive** window is displayed.
- 5 Select **Back up system files to the recovery drive** and click **Next**.
- 6 Select the **USB flash drive** and click **Next**.  
A message appears, indicating that all data in the USB flash drive will be deleted.
- 7 Click **Create**.
- 8 Click **Finish**.

For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).



# Views of Inspiron 24-3480

## Front



### 1 Retractable camera

Enables you to videochat, capture photos, and record videos. This camera can be retracted to protect your privacy.

### 2 Camera-status light

Turns on when the camera is in use.

### 3 Power button

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

Press to put the computer in sleep state if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.

**NOTE:** You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

### 4 Right speaker

Provides audio output.

### 5 Right microphone

Provides digital sound input for audio recording and voice calls.

### 6 Left microphone

Provides digital sound input for audio recording and voice calls.

## 7 Left speaker

Provides audio output.

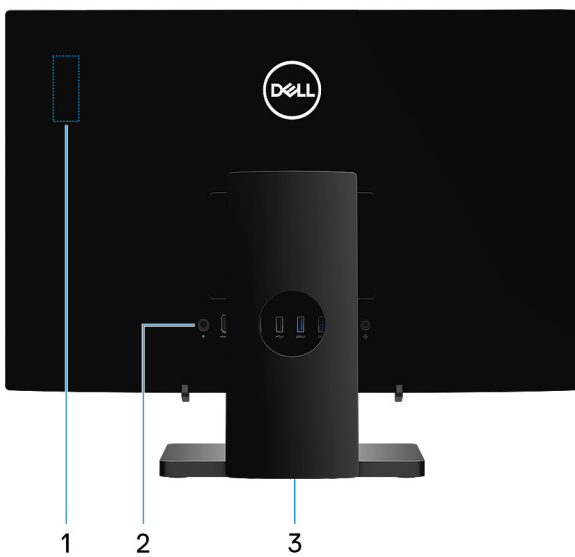
# Left



## 1 SD-card slot

Reads from and writes to the SD card.

# Back



## 1 Radio regulatory label

Contains the regulatory information of the wireless components for your computer.

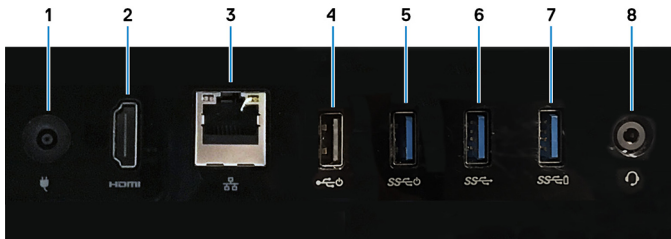
## 2 Back panel

Connect power, USB, audio, and other devices.

### 3 Regulatory label

Contains regulatory information of your computer.

## Back panel



### 1 Power-adapter port

Connect a power adapter to provide power to your computer.

### 2 HDMI-out port

Connect to a TV or another HDMI-in enabled device. Provides video and audio output.

### 3 Network port

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

### 4 USB 2.0 port with Power on/Wake-up support

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps. Wake the computer from standby with the keyboard or mouse connected to this port.

### 5 USB 3.1 Gen 1 port with Power on/Wake-up support

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps. Wake the computer from standby with the keyboard or mouse connected to this port.

### 6 USB 3.1 Gen 1 port

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

### 7 USB 3.1 Gen 1 port with PowerShare

Connect peripherals such as external storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge connected USB devices.

**NOTE:** Connected USB devices will not charge when the computer is turned off or in sleep state. To start charging connected devices, turn on the computer.

### 8 Headset port

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

## Bottom



### 1 **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.

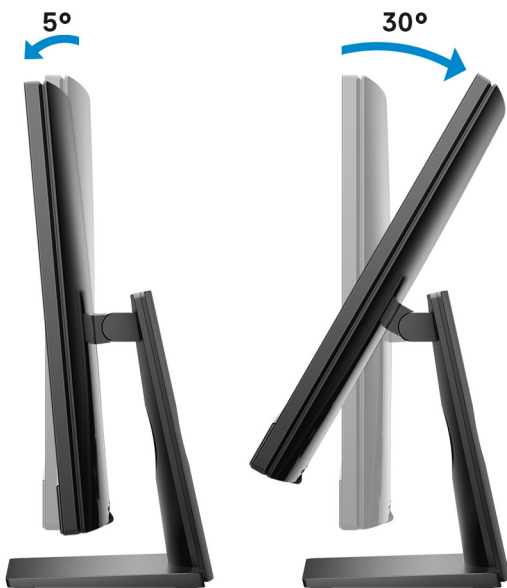
### 2 **Display Built-in Self Test button**

Run the built-in self test for the display

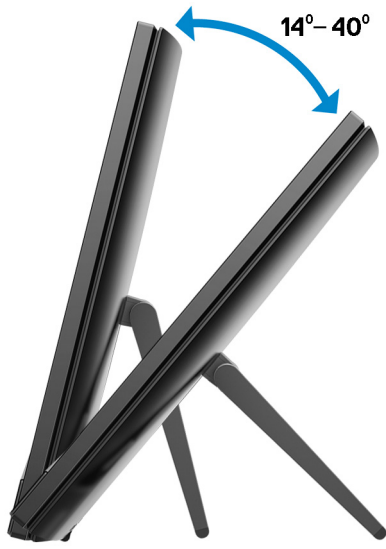
For more information, see the Troubleshooting section in the service manual at [www.dell.com/support/manuals](http://www.dell.com/support/manuals).

## Tilt

### Pedestal stand



## Easel stand



## Retractable camera



**NOTE:** Extend the camera while using any camera function so that the camera is not blocked.

# Specifications of Inspiron 24-3480

## Dimensions and weight

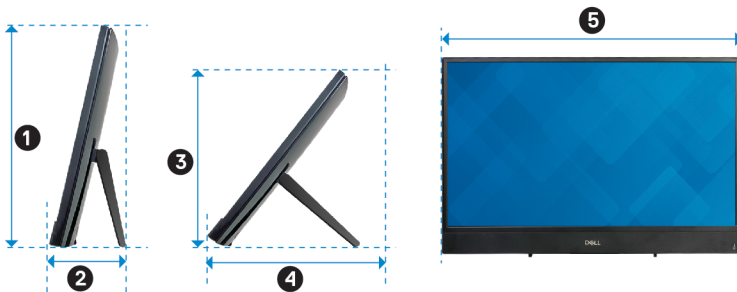
### System dimensions and weight (without stand)

**Table 2. System dimensions and weight (without stand)**

Description	Value
Height	357.96 mm (14.09 in.)
Width	548.84 mm (21.61 in.)
Depth	43.5 mm (1.71 in.)
Weight:	
Touchscreen	5.846 kg (12.89 lb)
Non-touchscreen	5.346 kg (11.76 lb)

**NOTE:** The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

### System dimensions (easel stand)

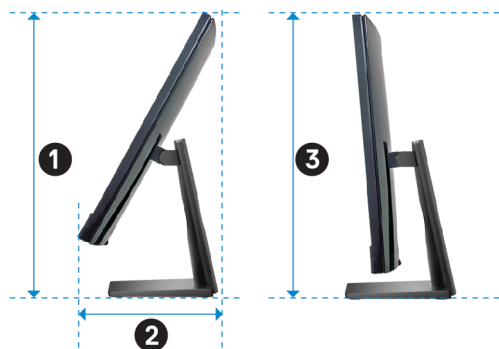


**Table 3. System dimensions (easel stand)**

Description	Values
<b>1</b>	356.95 mm (14.05 in.)
<b>2</b>	153.37 mm (6.04 in.)

Description	Values
3	301.97 mm (11.89 in.)
4	267.48 mm (10.53 in.)
5	548.84 mm (21.61 in.)

## System dimensions (pedestal stand)



**Table 4. System dimensions (pedestal stand)**

Description	Black/white	Gold
1	426.77 mm (16.80 in.)	421.66 mm (16.60 in.)
2	219.25 mm (8.63 in.)	226.2 mm (8.91 in.)
3	414.90 mm (16.33 in.)	411.27 mm (16.19 in.)

## Processors

**Table 5. Processors**

Description	Values		
	8th Generation Intel Core i3	8th Generation Intel Core i5	8th Generation Intel Core i7
Processors	8th Generation Intel Core i3	8th Generation Intel Core i5	8th Generation Intel Core i7
Wattage	15 W	15 W	15 W
Core count	2	4	4
Thread count	4	8	8
Speed	Up to 3.9 GHz	Up to 3.9 GHz	Up to 4.6 GHz
L2 Cache	512 KB	1 MB	1 MB
L3 Cache	4 MB	6 MB	8 MB



Description	Values		
Integrated graphics	Intel UHD Graphics 620	Intel UHD Graphics 620	Intel UHD Graphics 620

## Chipset

**Table 6. Chipset**

Description	Values
Chipset	8th Generation Intel Core i3/i5/i7
Processor	Integrated in the processor
DRAM bus width	x64
Flash EPROM	16 MB
PCIe bus	Up to Gen3.0
External bus frequency	Up to 4 GT/s

## Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu

## Memory

**Table 7. Memory specifications**

Description	Values
Slots	Two SODIMM slots
Type	DDR4
Speed	2400 MHz
Maximum memory	16 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, and 16 GB
Configurations supported	<ul style="list-style-type: none"> <li>• 4 GB DDR4 at 2400 MHz (1 x 4 GB)</li> <li>• 8 GB DDR4 at 2400 MHz (1 x 8 GB)</li> <li>• 8 GB DDR4 at 2400 MHz (2 x 4 GB)</li> <li>• 12 GB DDR4 at 2400 MHz (1 x 4 GB + 1 x 8 GB)</li> <li>• 16 GB DDR4 at 2400 MHz (2 x 8 GB)</li> <li>• 16 GB DDR4 at 2400 MHz (1 x 16 GB)</li> </ul>

# Intel Optane memory (optional)

Intel Optane memory functions only as a storage accelerator. It neither replaces nor adds to the memory (RAM) installed on your computer.

**NOTE:** Intel Optane memory is supported on computers that meet the following requirements:

- 7<sup>th</sup> Generation or higher Intel Core i3/i5/i7 processor
- Windows 10 64-bit version or higher (Anniversary Update)
- Latest version of Intel Rapid Storage Technology driver

**Table 8. Intel Optane memory**

Description	Values
Type	Storage accelerator
Interface	PCIe 3.0x2
Connector	M.2 2280
Configurations supported	16 GB
Capacity	Up to 16 GB

## Ports and connectors

**Table 9. Ports and connectors**

Description	Values
<b>External:</b>	
Network	One RJ-45 port
USB	<ul style="list-style-type: none"><li>• One USB 3.1 Gen 1 port</li><li>• One USB 3.1 Gen 1 port with PowerShare</li><li>• One USB 3.1 Gen 1 port with Power-on/Wake-up support</li><li>• One USB 2.0 Gen 1 port with Power-on/Wake-up support</li></ul>
Audio	<ul style="list-style-type: none"><li>• One headset port</li><li>• One HDMI 1.4 port</li></ul>
Video	One HDMI-out 1.4 port
Memory card reader	One SD-card slot
Power port	One 4.5 mm x 2.9 mm DC-in adapter port
Security	Not supported
<b>Internal:</b>	
Connectors	Not supported
M.2	<ul style="list-style-type: none"><li>• One M.2 2230/2280 card slot for solid-state drive/Intel optane memory</li></ul>

Description	Values
	<ul style="list-style-type: none"> <li>One M.2 2230 card slot for Wi-Fi/Bluetooth combo card</li> </ul>
	<p><b>NOTE:</b> To learn more about the features of different types of M.2 cards, see the knowledge base article <a href="#">SLN301626</a>.</p>

## Communications

### Ethernet

Table 10. Ethernet specifications

Description	Values
Model number	Realtek RTL8111HSD Ethernet controller (integrated on system board)
Transfer rate	10/100/1000 Mbps

### Wireless module

Table 11. Wireless module specifications

Description	Values
Model number	Intel 9462
Transfer rate	Up to 433 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz
Wireless standards	Wi-Fi 802.11a/b/g/n/ac
Encryption	<ul style="list-style-type: none"> <li>64-bit/128-bit WEP</li> <li>AES-CCMP</li> <li>TKIP</li> </ul>
Bluetooth	Bluetooth 5.0

### Audio

Table 12. Audio specifications

Description	Values
Type	Integrated 2+2 channel High Definition Audio
Controller	Realtek ALC3246
Internal interface	High-definition audio

Description	Values
External interface	<ul style="list-style-type: none"> <li>One headset port</li> <li>One HDMI 1.4 port</li> </ul>

## Storage

**Table 13. Storage specifications**

Storage type	Interface type	Capacity
2.5-inch hard drive (5400 RPM)	SATA AHCI, up to 6 Gbps	Up to 2 TB
2.5-inch hard drive (7200 RPM)	SATA AHCI, up to 6 Gbps	Up to 1 TB
M.2 2230 solid-state drive	PCIe Gen3.0x2 NVMe, up to 16 Gbps	Up to 512 GB
M.2 2280 solid-state drives	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 1 TB

## Media-card reader

**Table 14. Media-card reader specifications**

Description	Values
Type	One SD card slot
Cards supported	<ul style="list-style-type: none"> <li>SD card</li> <li>SD Extended Capacity (SDXC) card</li> <li>SD High Capacity (SDHC) card</li> </ul>

## Camera

**Table 15. Camera specifications**

Description	Values
Number of cameras	1
Type	HD fixed focus
Location	Front camera
Sensor type	CMOS sensor technology
Resolution:	
Still image	0.92 megapixel (HD)
Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle	74.6 degrees

# Display

**Table 16. Display specifications**

<b>Description</b>	<b>Values</b>
Type	Full High-Definition (FHD)
Panel technology	In-Plane Switching (IPS)
Luminance (typical)	250 nits
Dimensions (active area):	
Height	315.6 mm (12.42 in.)
Width	540.2 mm ( 21.27 in.)
Diagonal	604.70 mm (23.81 in.)
Native resolution	1920 x 1080
Megapixels	16.78
Pixels Per Inch (PPI)	93
Contrast ratio (min)	700:1
Response time (max)	25 msec rise/fall
Refresh rate	60 Hz
Horizontal view angle	+/- 85 degrees
Vertical view angle	+/- 85 degrees
Pixel pitch	0.25 mm
Power consumption (maximum)	11.9
Anti-glare vs glossy finish	Anti-glare
Touch options	Yes

# Video

**Table 17. Video specifications**

<b>Discrete graphics</b>			
<b>Controller</b>	<b>External display support</b>	<b>Memory size</b>	<b>Memory type</b>
NVIDIA GeForce MX110	One HDMI 1.4 port	2 GB	GDDR5

**Table 18. Video specifications****Integrated graphics**

Controller	External display support	Memory size	Processor
Intel UHD Graphics 620	One HDMI 1.4 port	Shared system memory	8 <sup>th</sup> Generation Intel Core i3/i5/i7

## Stand

**Table 19. Stand**

	Easel	Pedestal (Black/White)	Pedestal (Gold)
Height	178.22 mm (7.02 in.)	252.2 mm (9.93 in.)	252.6 mm (9.94 in.)
Width	139 mm (5.47 in.)	220.0 mm (8.66 in.)	234 mm (9.21 in.)
Depth	35.52 mm (1.40 in.)	180.4 mm (7.10 in.)	205.4 mm (8.09 in.)
Weight	0.54 kg	2 kg	2.26 kg

## Power adapter

**Table 20. Power adapter specifications**

Description	Values	
Type	E4 90 W	E4 130 W
Diameter (connector)	4.5 mm x 2.9 mm	4.5 mm x 2.9 mm
Input voltage	100 VAC-240 VAC	100 VAC-240 VAC
Input frequency	50 Hz-60 Hz	50 Hz-60 Hz
Input current (maximum)	1.50 A	2.50 A
Output current (continuous)	4.62 A	6.70 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)

## Computer environment

**Airborne contaminant level:** G1 as defined by ISA-S71.04-1985

**Table 21. Computer environment**

	<b>Operating</b>	<b>Storage</b>
Temperature range	10°C to 35°C (50°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	20% to 80% (non-condensing)	5% to 95% (non-condensing)
Vibration (maximum)*	0.26 GRMS	1.307GRMS
Shock (maximum)	40 G†	105 G‡
Altitude (maximum)	3,048 m (10,000 ft)	10,668 m (35,000 ft)

\* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse when the hard drive is in use.



‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

# Getting help and contacting Dell

## Self-help resources

You can get information and help on Dell products and services using these self-help resources:

**Table 22. Self-help resources**

Self-help resources	Resource location
Information about Dell products and services	<a href="http://www.dell.com">www.dell.com</a>
My Dell	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	<a href="http://www.dell.com/support/windows">www.dell.com/support/windows</a> <a href="http://www.dell.com/support/linux">www.dell.com/support/linux</a>
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	<a href="http://www.dell.com/support">www.dell.com/support</a>
Dell knowledge base articles for a variety of computer concerns.	<ol style="list-style-type: none"> <li>1 Go to <a href="http://www.dell.com/support">www.dell.com/support</a>.</li> <li>2 Type the subject or keyword in the <b>Search</b> box.</li> <li>3 Click <b>Search</b> to retrieve the related articles.</li> </ol>
Learn and know the following information about your product:	See <i>Me and My Dell</i> at <a href="http://www.dell.com/support/manuals">www.dell.com/support/manuals</a> .
<ul style="list-style-type: none"> <li>• Product specifications</li> <li>• Operating system</li> <li>• Setting up and using your product</li> <li>• Data backup</li> <li>• Troubleshooting and diagnostics</li> <li>• Factory and system restore</li> <li>• BIOS information</li> </ul>	<p>To locate the <i>Me and My Dell</i> relevant to your product, identify your product through one of the following:</p> <ul style="list-style-type: none"> <li>• Select <b>Detect Product</b>.</li> <li>• Locate your product through the drop-down menu under <b>View Products</b>.</li> <li>• Enter the <b>Service Tag number</b> or <b>Product ID</b> in the search bar.</li> </ul>

## Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see [www.dell.com/contactdell](http://www.dell.com/contactdell).

**NOTE:** Availability varies by country and product, and some services may not be available in your country.

**NOTE:** If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.