OptiPlex 5400 All-in-One

Technical Guidebook

Regulatory Model: W26C
Regulatory Type: W26C005
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DELL Technologies

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.

Contents

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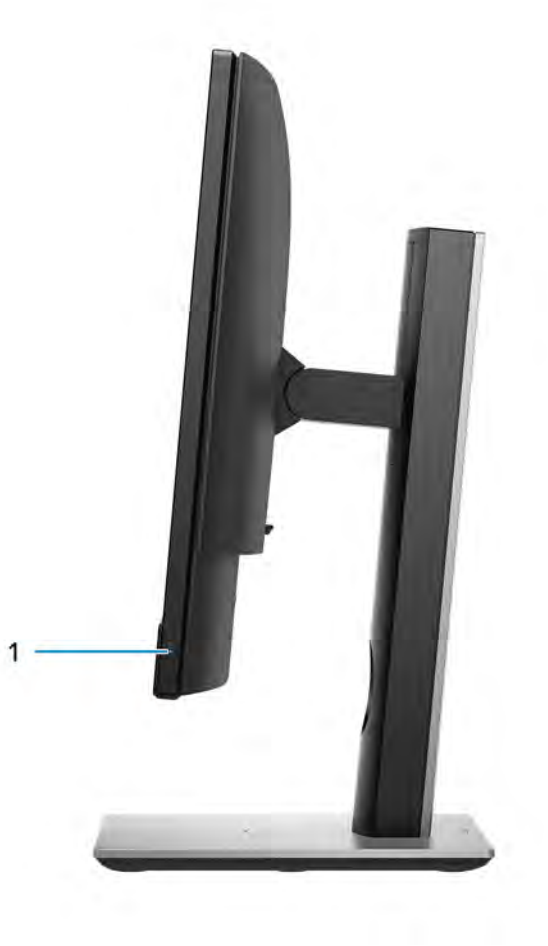
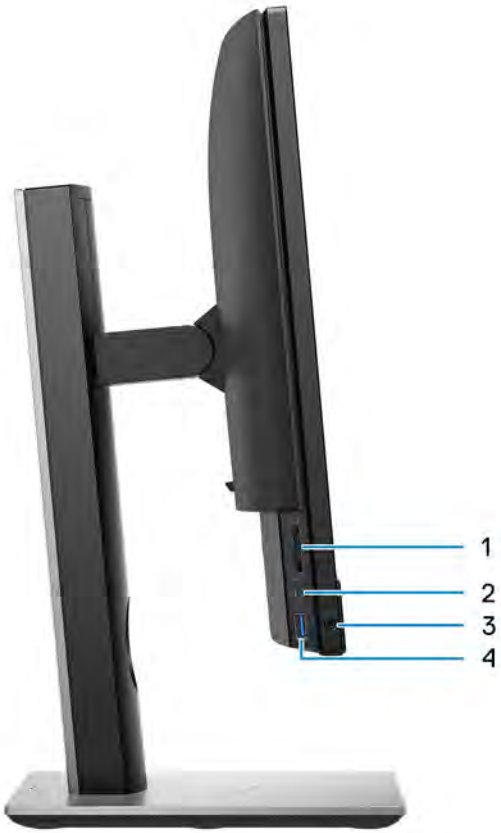
Views of OptiPlex 5400 All-in-One

Right



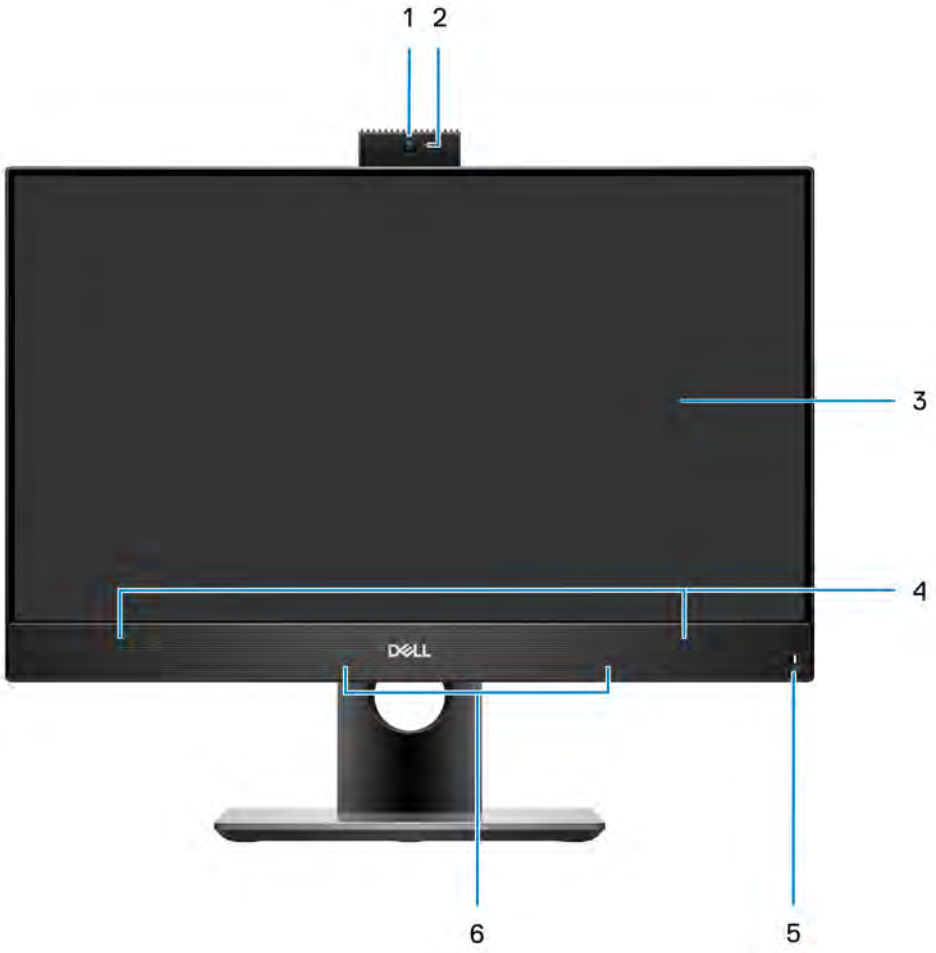
1. Hard-drive status indicator

Left



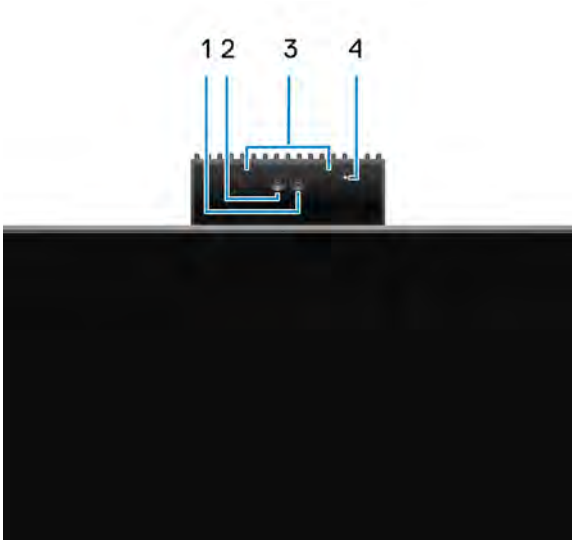
1. SD 4.0 card slot
2. USB 3.2 Gen 2x1 Type-C port
3. Universal audio port
4. USB 3.2 Gen 1 port with PowerShare

Front



1. Full HD webcam
2. Camera-status light
3. Display
4. Speakers
5. Power button and power-status/diagnostic indicator
6. Array microphones

Retractable camera

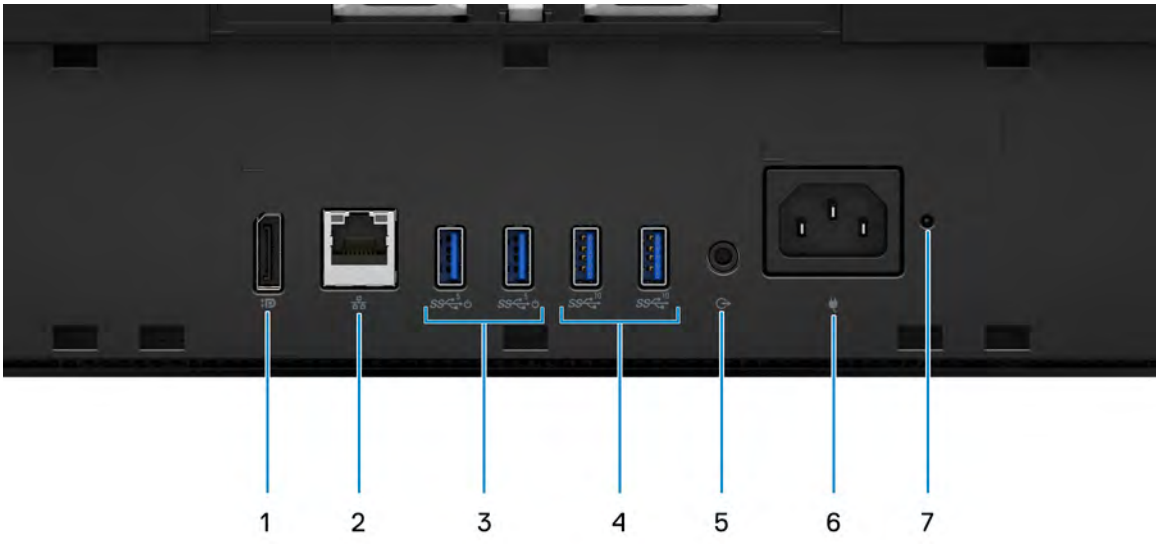


NOTE: Depending on the configuration ordered, your computer will have only RGB camera or both RGB camera and Infrared camera.

1. Full HD camera
2. Infrared camera
3. Infrared emitter
4. Camera-status light

Bottom

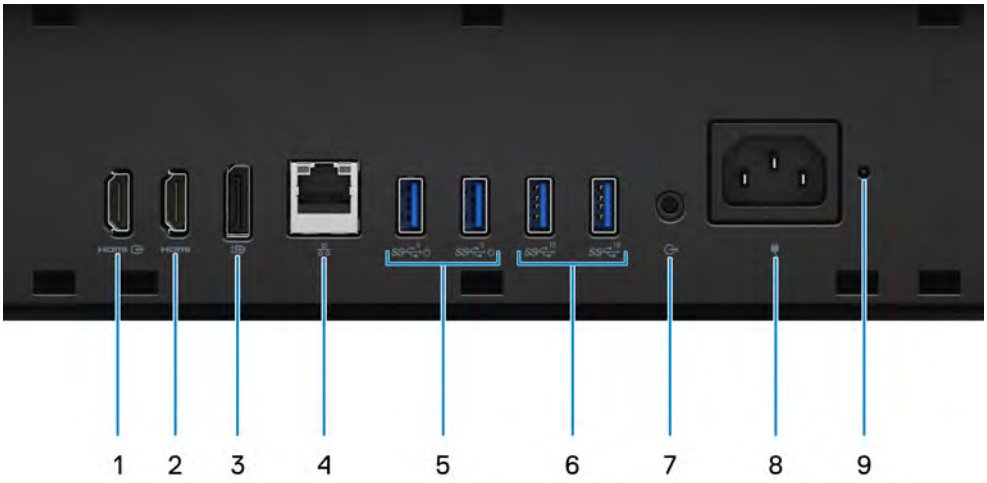
Bottom view—with UMA configuration-35 W



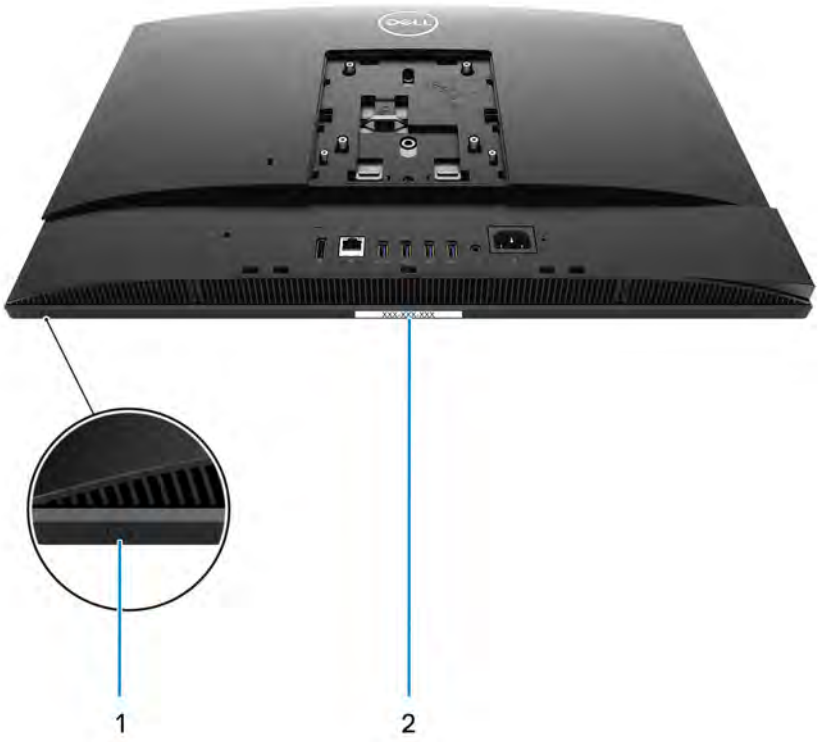
1. DisplayPort++ 1.4a/HDCP 2.3 port
2. RJ45 Ethernet port
3. USB 3.2 Gen 1 ports with Smart Power On
4. USB 3.2 Gen 2 ports
5. Line-out audio port
6. Power connector

7. Power-Supply Unit (PSU) status indicator LED

Bottom view—with UMA configuration-65 W

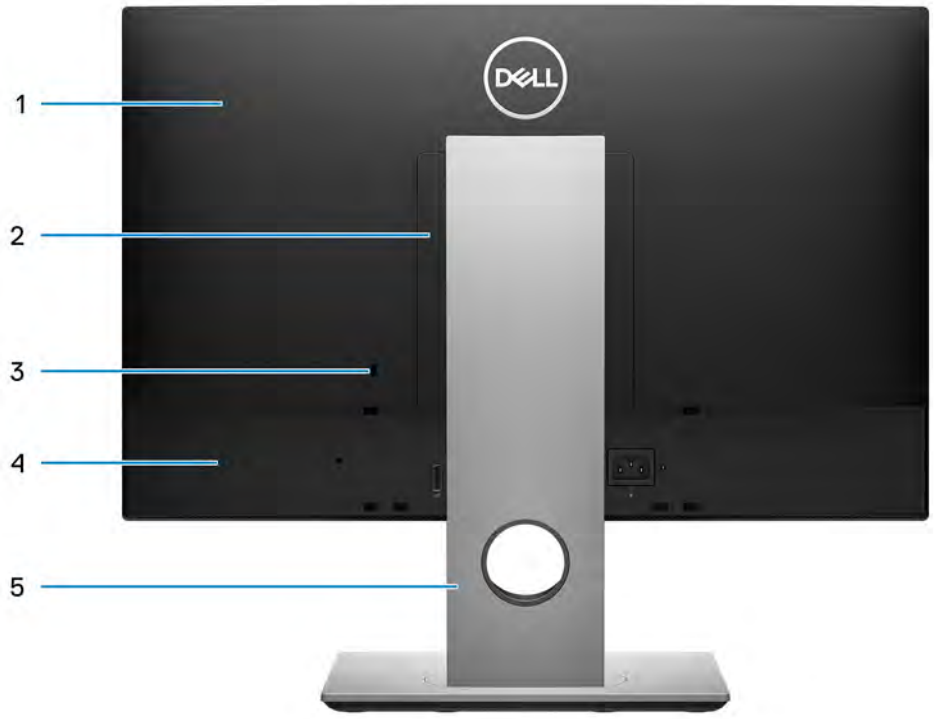


1. HDMI-IN—HDMI 1.4a port
2. HDMI-OUT—HDMI 2.0 port
3. DisplayPort++ 1.4a/HDCP 2.3 port
4. RJ45 Ethernet port
5. USB 3.2 Gen 1 ports with Smart Power On
6. USB 3.2 Gen 2 ports
7. Line-out audio port
8. Power connector
9. PSU status indicator



1. Display Built-in Self Test button
2. Service tag label

Back

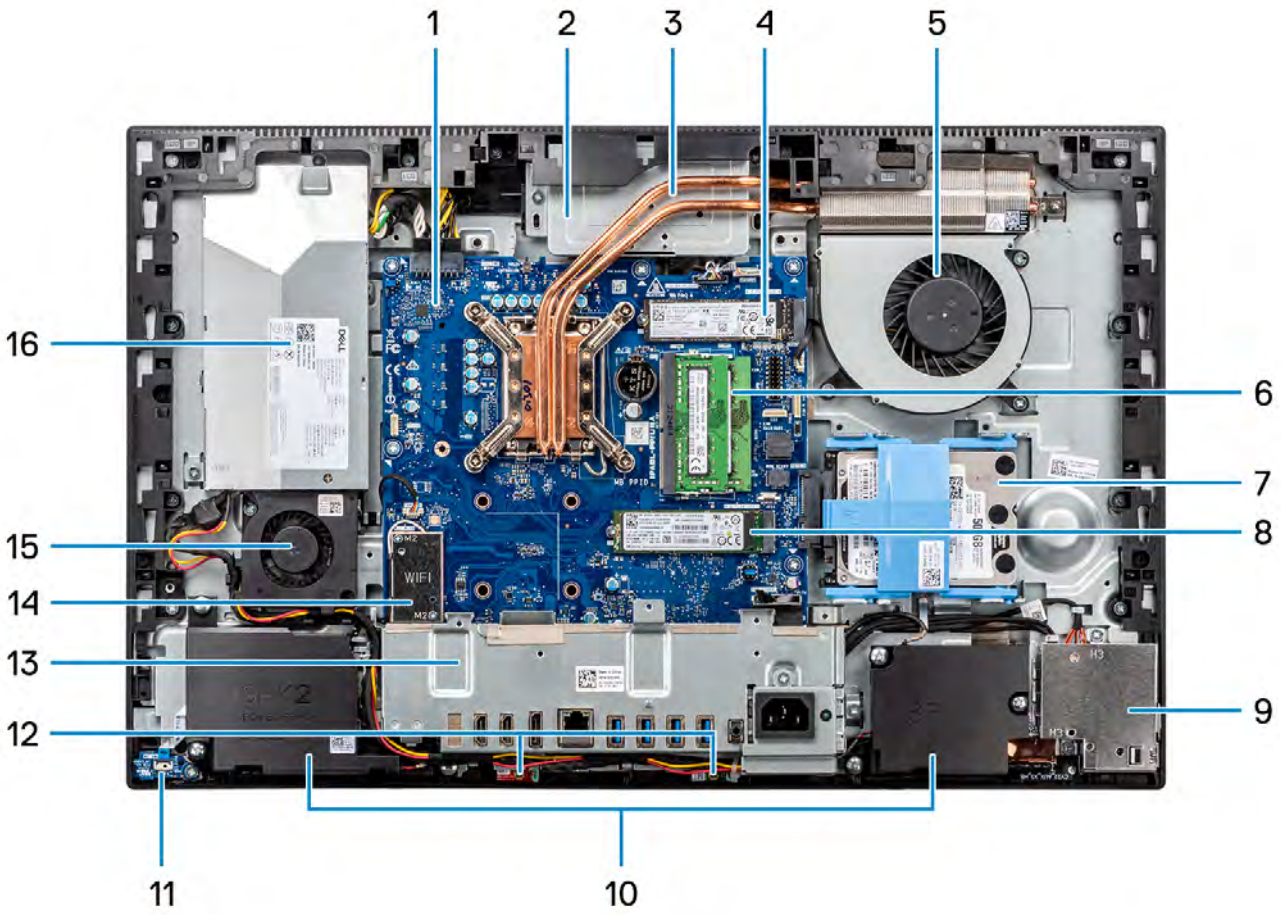


1. Back cover
2. Stand cover
3. Kensington security-cable slot
4. Bottom cover
5. Stand

Inside view of your computer

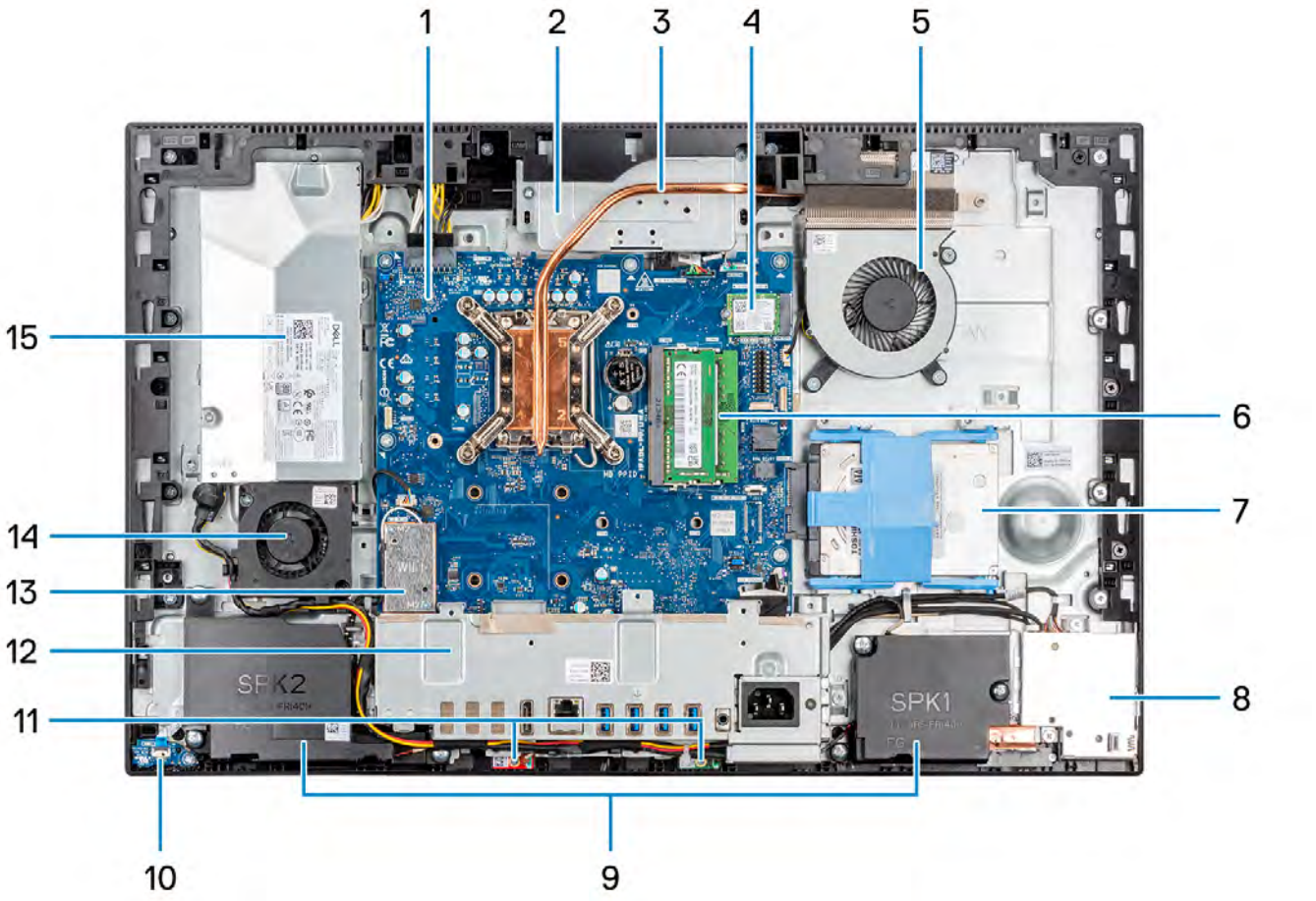
This section provides information about the components available in your computer.

View of 65 W configuration



1. System board
2. Camera assembly
3. Heat sink
4. M.2 2230/2280 solid-state drive
5. Processor fan
6. Memory module
7. Hard drive
8. M.2 2230/2280 solid-state drive
9. Side-I/O board
10. Speakers
11. Power button on the power board
12. Microphones
13. Rear-/O bracket
14. Wireless card
15. Power-supply fan
16. PSU

View of 35 W configuration



1. System board
2. Camera assembly
3. Heat sink
4. M.2 2230/2280 solid-state drive
5. Processor fan
6. Memory module
7. Hard drive
8. Side-I/O board
9. Speakers
10. Power button on the power board
11. Microphone modules
12. Rear-/O bracket
13. Wireless card
14. Power-supply fan
15. PSU

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Specifications of OptiPlex 5400 All-in-One

Dimensions and weight

The following table lists the height, width, depth, and weight of your OptiPlex 5400 All-in-One.

Table 1. Dimensions and weight

Description	Values
Height:	
Front height	344.00 mm (13.54 in.)
Rear height	344.00 mm (13.54 in.)
Width	540.20 mm (21.26 in.)
Depth	52.60 mm (2.07 in.)
Weight **NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability.	Weight without stand • 6.68 Kg (14.73 lbs.)—maximum • 6.05 Kg (13.34 lbs.)—minimum

Processor

The following table lists the details of the processors that are supported by your OptiPlex 5400 All-in-One .

NOTE: Global Standard Products (GSP) are a subset of Dell's relationship products that are managed for availability and synchronized transitions on a worldwide basis. They ensure that the same platform is available for purchase globally. This allows customers to reduce the number of configurations managed on a worldwide basis, thereby reducing their costs. They also enable companies to implement global IT standards by locking in specific product configurations worldwide.

Device Guard (DG) and Credential Guard (CG) are the new security features that only available on Windows 10 Enterprise today. Device Guard is a combination of enterprise-related hardware and software security features. When you configure together, it locks a device down so that it can only run trusted applications. If it is not a trusted application, it cannot run. Credential Guard uses virtualization-based security to isolate secrets (credentials) so that only privileged system software can access them. Unauthorized access to these secrets can lead to credential theft attacks. Credential Guard prevents these attacks by protecting NTLM password hashes and Kerberos Ticket Granting Tickets.

NOTE: Processor numbers are not a measure of performance. Processor availability subject to change and may vary by region/country.

Table 2. Processor

Processor type	Processor wattage	Processor core count	Processor thread count	Processor speed	Processor cache	Integrated graphics
Intel Pentium Gold G7400	46 W	2	4	up to 3.70 GHz	6 MB	Intel UHD Graphics 710
Intel Pentium Gold G7400T	35 W	2	4	up to 3.10 GHz	6 MB	Intel UHD Graphics 710

Table 2. Processor (continued)

12th Generation Intel Core i3-12100	60 W	4	8	3.30 GHz to 4.30 GHz	12 MB	Intel UHD Graphics 730
12th Generation Intel Core i3-12100T	35 W	4	8	2.20 GHz to 4.10 GHz	12 MB	Intel UHD Graphics 730
12th Generation Intel Core i3-12300	60 W	4	8	3.50 GHz to 4.40 GHz	12 MB	Intel UHD Graphics 730
12th Generation Intel Core i3-12300T	35 W	4	8	2.30 GHz to 4.20 GHz	12 MB	Intel UHD Graphics 730
12th Generation Intel Core i5-12400	65 W	6	12	2.50 GHz to 4.40 GHz	18 MB	Intel UHD Graphics 730
12th Generation Intel Core i5-12400T	35 W	6	12	1.80 GHz to 4.20 GHz	18 MB	Intel UHD Graphics 730
12th Generation Intel Core i5-12500	65 W	6	12	3 GHz to 4.60 GHz	18 MB	Intel UHD Graphics 770
12th Generation Intel Core i5-12500T	35 W	6	12	2 GHz to 4.40 GHz	18 MB	Intel UHD Graphics 770
12th Generation Intel Core i5-12600	65 W	6	12	3.30 GHz to 4.80 GHz	18 MB	Intel UHD Graphics 770
12th Generation Intel Core i5-12600T	35 W	6	12	2.10 GHz to 4.60 GHz	18 MB	Intel UHD Graphics 770
12th Generation Intel Core i7-12700	65 W	12	20	2.10 GHz to 4.90 GHz	25 MB	Intel UHD Graphics 770
12th Generation Intel Core i7-12700T	35 W	12	20	1.40 GHz to 4.60 GHz	25 MB	Intel UHD Graphics 770

Chipset

The following table lists the details of the chipset supported by your OptiPlex 5400 All-in-One.

Table 3. Chipset

Description	Values
Chipset	Intel Q670 PCH
Processor	• Intel Pentium Gold • 12th Generation Intel Core i3/i5/i7
DRAM bus width	• 64-bit (for single-channel) • 128-bit (for dual-channel)
Flash EPROM	32 MB
PCIe bus	Up to Gen 3.0
Non-volatile memory	Yes
BIOS configuration Serial Peripheral Interface (SPI)	256 Mbit (32 MB) located at SPI_FLASH

Table 3. Chipset (continued)

Description	Values
Trusted Platform Module (TPM) 2.0 (Discrete TPM Enabled)	24 KB located at TPM 2.0 on chipset
Firmware-TPM (Discrete TPM disabled)	By default the Platform Trust Technology feature is visible to the operating system.
NIC EEPROM	LOM configuration contained within SPI flash ROM instead of LOM e-fuse

Operating system

Your OptiPlex 5400 All-in-One supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Home National Academic, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 11 CMIT Government Edition, 64-bit (China only)
- Windows 11 Downgrade (Windows 10 image)
- Ubuntu Linux 20.04 LTS, 64-bit
- Kylin Linux Desktop version 10.1 (China only)

For more information about Dell OS Recovery image, see How to Download and Use the Dell OS Recovery Image in Microsoft Windows, at Dell support site.

Commercial platform Windows 11 N-2 and 5-year operating system supportability:

All newly introduced 2019 and later commercial platforms (Latitude, OptiPlex, and Dell Precision) will qualify and ship with the most current factory installed Semi-Annual Channel Windows 11 version (N) and qualify (but not ship) the previous two versions (N-1, N-2). The OptiPlex 5400 All-in-One will RTS with Windows 11 version v20H2 at time of launch, and this version will determine the N-2 versions that are initially qualified for this platform.

For future versions of Windows 11, Dell continues to test the commercial platform with coming Windows 11 releases during device production and for five years post-production, including both fall and spring releases from Microsoft.

For additional information about N-2 and 5-year Windows operating system supportability, see the Dell Windows as a Service (WaaS), at Dell support site.

EOML 411

The OptiPlex 5400 All-in-One continues to test the coming Semi-Annual Channel Windows 11 version releases for five years post-production, including both fall and spring releases from Microsoft.

Memory

The following table lists the memory specifications of your OptiPlex 5400 All-in-One.

Table 4. Memory specifications

Description	Values
Memory slots	Two-SoDIMM
Memory type	DDR4
Memory speed	3200 MHz
Maximum memory configuration	64 GB
Minimum memory configuration	4 GB

Table 4. Memory specifications (continued)

Description	Values
Memory size per slot	4 GB, 8 GB, 16 GB, 32 GB
Memory configurations supported	• 4 GB, 1 x 4 GB, DDR4, 3200 MHz • 8 GB, 1 x 8 GB, DDR4, 3200 MHz • 16 GB, 1 x 16 GB, DDR4, 3200 MHz • 16 GB, 2 x 8 GB, DDR4, 3200 MHz, dual-channel • 32 GB, 1 x 32 GB, DDR4, 3200 MHz • 32 GB, 2 x 16 GB, DDR4, 3200 MHz, dual-channel • 64 GB, 2 x 32 GB, DDR4, 3200 MHz, dual-channel

Memory matrix

The following table lists the memory configurations supported on your OptiPlex 5400 All-in-One.

Table 5. Memory matrix

Configuration	Slot	
	SO-DIMM1	SO-DIMM2
4 GB DDR4	4 GB	NA
8 GB DDR4	8 GB	NA
16 GB DDR4	16 GB	NA
16 GB DDR4	8 GB	8 GB
32 GB DDR4	32 GB	NA
32 GB DDR4	16 GB	16 GB
64 GB DDR4	32 GB	32 GB

External ports

The following table lists the external ports of your OptiPlex 5400 All-in-One.

Table 6. External ports

Description	Values
Network port	One RJ45 Ethernet port (rear)
USB ports	• One USB 3.2 Gen 2x1 Type-C port (side) • One USB 3.2 Gen 1 port with PowerShare (side) • Two USB 3.2 Gen 2 ports (rear) • Two USB 3.2 Gen 1 ports with Smart Power On (rear)
Audio port	• One universal audio port (side) • One Line-out audio port (rear)
Video port	• One DisplayPort++ 1.4a/HDCP 2.3 port • One HDMI-IN—HDMI 1.4a port (with UMA configuration-65 W) • One HDMI-OUT—HDMI 2.0 port (with UMA configuration-65 W)

Table 6. External ports (continued)

Description	Values
Media-card reader	One SD 4.0 card slot (side)
Power-adapter port	Not supported
Security-cable slot	One Kensington security-cable slot

Internal slots

The following table lists the internal slots of your OptiPlex 5400 All-in-One.

Table 7. Internal slots

Description	Values
PCIe expansion card slots	Not supported
mSATA	Not supported
SATA	One SATA slot for 2.5-inch hard drive
M.2	• One M.2 2230 slot for Wi-Fi and Bluetooth card • One M.2 2230/2280 slot for SSD (35 W) • Two M.2 2230/2280 slot for SSD (65 W) **NOTE:** To learn more about the features of different types of M.2 cards, see the knowledge base article 000144170 at www.dell.com/support.

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your OptiPlex 5400 All-in-One.

Table 8. Ethernet specifications

Description	Values
Model number	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 OptiPlex 5400 All-in-One.

Table 9. Wireless module specifications

Description	Option one	Option two	Option three
Model number	Intel AX201	Intel AX211	Realtek RTL8822CE
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz
Wireless standards	• WiFi 802.11a/b/g	• WiFi 802.11a/b/g	• Wi-Fi 802.11a/b/g

Table 9. Wireless module specifications (continued)

Description	Option one	Option two	Option three
	• Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax)	• Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)	• Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (Wi-Fi 802.11ac)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.2	Bluetooth 5.2	Bluetooth 5.0

Audio

The following table lists the audio specifications of your OptiPlex 5400 All-in-One.

Table 10. Audio specifications

Description		Values
Audio controller		Realtek Codec ALC3289
Stereo conversion		Realtek Codec ALC3289 capability supporting 44.1 k/48 k/96 k/192 kHz sample rate DAC conversion
Internal audio interface		High definition audio interface
External audio interface		Universal audio jack
Number of speakers		Two (Stereo speakers with Waves MaxxAudio® Pro, 2 W x 2 = 4 W total)
Internal-speaker amplifier		Realtek Amplifier ALC1302
External volume controls		No hardware volume buttons
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not applicable
Microphone		Two—MEMS microphones

Storage

This section lists the storage options on your OptiPlex 5400 All-in-One.

Table 11. Storage matrix-35 W configuration

Storage	Single M.2 socket	1st 2.5-inch hard drive
2.5-inch hard drive	No	Yes
M.2 SSD Boot	Yes	No

Table 11. Storage matrix-35 W configuration (continued)

Storage		Single M.2 socket	1st 2.5-inch hard drive
M.2 SDD Boot	2.5-inch hard drive	Yes	Yes

Table 12. Storage matrix—65 W configuration

Storage		Single M.2 socket	2nd M.2 socket	1st 2.5-inch hard drive
2.5-inch hard drive		No	No	Yes
M.2 SSD Boot		Yes	No	No
M.2 SSD Boot		Yes	Yes	No
M.2 SSD Boot	2.5-inch hard drive	Yes	No	Yes
M.2 SSD Boot	2.5-inch hard drive	Yes	Yes	Yes
M.2 SSD Boot	M.2 SSD Boot	Yes	Yes	Yes

Table 13. Storage specifications

Storage type	Interface type	Capacity
2.5-inch, 5400 RPM, HDD	SATA AHCI, up to 6 Gbps	Up to 2 TB
2.5-inch, 7200 RPM, HDD	SATA AHCI, up to 6 Gbps	Up to 1 TB
2.5-inch, 7200 RPM, HDD, self-encrypting, Opal 2.0, FIPS	SATA AHCI, up to 6 Gbps	500 GB
M.2 2230, Class 35 SSD	PCIe NVMe Gen3 x4	Up to 1 TB
M.2 2230, Class 35 SSD, self-encrypting drive	PCIe NVMe Gen3 x4	256 GB
M.2 2280, Class 40 SSD	PCIe NVMe Gen4 x4	Up to 2 TB
M.2 2280, Class 40 SSD, self-encrypting drive	PCIe NVMe Gen3 x4	Up to 1 TB

Media-card reader

The following table lists the media cards supported by your OptiPlex 5400 All-in-One.

Table 14. Media-card reader specifications

Description	Values
Media-card type	One Secure Digital (SD) 4.0 card
Media-cards supported	• Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC) • Secure Digital (SD) 4.0 • SD UHS-I (UHS50)
NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Camera

The following table lists the camera specifications of your OptiPlex 5400 All-in-One.

Table 15. Full HD RGB Infrared Webcam

Description		Values
Number of cameras		One
Camera type		FHD RGB camera/Infrared camera
Camera location		Front pop-up camera
Camera sensor type		CMOS sensor technology
Focus detail		• Fixed focus • Focus area—23 cm ~ Infinity
Camera resolution:		
	Still image	2.07 megapixels
	Video	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:		
	Still image	0.30 megapixels
	Video	640 x 480 (VGA) at 30 fps
Diagonal viewing angle:		
	Camera	77.50 degrees
	Infrared camera	82.90 degrees

Table 16. Full HD RGB Webcam

Description		Values
Number of cameras		One
Camera type		FHD RGB camera
Camera location		Front pop-up camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	2.07 megapixels
	Video	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle:		77.40 degrees

Power ratings

The following table lists the power rating specifications of OptiPlex 5400 All-in-One.

Table 17. Power ratings

Description	Option one	Option two
Type	155 W Bronze	160 W Bronze

Table 17. Power ratings (continued)

Description	Option one	Option two
Input voltage	90 VAC to 264 VAC	90 VAC to 264 VAC
Input frequency	47 Hz to 63 Hz	47 Hz to 63 Hz
Input current (maximum)	3.6 A	3.6 A
Output current (continuous)	• +19.5 VA/7.5 A • +19.5 VB/7.0 A Standby mode: • +19.5 VA/0.5 A • +19.5 VB/1.75 A	• +19.5 VA/7.5 A • +19.5 VB/7.0 A Standby mode: • +19.5 VA/0.5 A • +19.5 VB/1.75 A
Rated output voltage	• +19.5 VA • +19.5 VB	• +19.5 VA • +19.5 VB
Temperature range		
Operating	5°C to 42°C (41°F to 107°F)	5°C to 42°C (41°F to 107°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

Power supply connector

The following table lists the Power supply connector specifications of your OptiPlex 5400 All-in-One.

Table 18. Power supply connector

155 W (80 PLUS Bronze)	• One 16 pin connector for system board • One 2 pin connector for LED
160 W (80 PLUS Bronze)	• One 16 pin connector for system board • One 2 pin connector for LED

Display

The following table lists the display specifications of your OptiPlex 5400 All-in-One.

Table 19. Display specifications

Description		Option one (non-touch display)	Option two (touch-display)
Display type		Full High Definition (FHD)	Full High Definition (FHD)
Display-panel technology		Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
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		• 200 nits (minimum) • 250 nits (typical)	• 200 nits (minimum) • 250 nits (typical)

Table 19. Display specifications (continued)

Description	Option one (non-touch display)	Option two (touch-display)
Megapixels	2.07	2.07
Color gamut	99% sRGB (typical)	72% NTSC typical
Pixels Per Inch (PPI)	92	92
Contrast ratio	• 700:1 (minimum) • 1000:1 (typical)	• 700:1 (minimum) • 1000:1 (typical)
Response time (max.)	• 25 ms (maximum) • 14 ms (typical)	• 25 ms (maximum) • 14 ms (typical)
Refresh rate	60 Hz	60 Hz
Horizontal view angle	• 170 degrees (minimum) • 178 degrees (typical)	• 170 degrees (minimum) • 178 degrees (typical)
Vertical view angle	• 170 degrees (minimum) • 178 degrees (typical)	• 170 degrees (minimum) • 178 degrees (typical)
Pixel pitch	0.2745 x 0.2745 mm	0.2745 x 0.2745 mm
Power consumption (maximum)	12.70 W	13.48 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare
Adaptive sync	Not applicable	Not applicable
Stylus support	Not applicable	Capacitive touch
Multi-touch feature supported	Not applicable	10-points multi-touch
Display surface	Anti-glare treatment of the front polarizer (Haze 25%, 3H)	Anti-glare treatment of the front polarizer (Haze 25%, 3H)

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your OptiPlex 5400 All-in-One.

Table 20. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics 710	• One DisplayPort++ 1.4a/ HDCP 2.3 port • One HDMI-OUT—HDMI 2.0 port (with UMA configuration-65 W)	Shared system memory	12th Generation Intel Pentium Gold G7400 and G7400T processor
Intel UHD Graphics 730	• One DisplayPort++ 1.4a/ HDCP 2.3 port • One HDMI-OUT—HDMI 2.0 port (with UMA configuration-65 W)	Shared system memory	12th Generation Intel Core i3-12100, i3-12100T, i3-12300, i3-12300T, i5-12400, and i5-12400T processors
Intel UHD Graphics 770	• One DisplayPort++ 1.4a/ HDCP 2.3 port	Shared system memory	12th Generation Intel Core i5-12500, i5-12500T,

Table 20. GPU—Integrated (continued)

Controller	External display support	Memory size	Processor
	• One HDMI-OUT—HDMI 2.0 port (with UMA configuration-65 W)		i5-12600, i5-12600T, i7-12700, and i7-12700T processors

Multiple display support matrix

The following table lists the multiple display support matrix for your OptiPlex 5400 All-in-One.

Table 21. Multiple display support matrix

Description	Option 1	Option 2	Option 3
Integrated Graphics Card	Intel UHD Graphics 710	Intel UHD Graphics 730	Intel UHD Graphics 770
Optional Module	NA	NA	NA
Supported 4K Displays	• On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)—with 65 W UMA configuration	• On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)—with 65 W UMA configuration	• On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)—with 65 W UMA configuration
Supported 5K Displays	On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz)	On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz)	On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz)

Hardware security

The following table lists the hardware security of your OptiPlex 5400 All-in-One.

Table 22. Hardware security

Hardware security
Dell Lockable port cover (optional)
Chassis lock slot support
Noble Custom AIO Plate Lock (optional)
Supply chain tamper alerts
Chassis intrusion switch
Trusted Platform Module (Discrete TPM Enabled)
SafeBIOS including Dell Off-host BIOS Verification
BIOS Resilience
BIOS Recovery, and additional BIOS Controls
SafeID including Trusted Platform Module (TPM) 2.0
Self-Encrypting Drives (SED)
Smart card keyboard (FIPS)
D-Pedigree (Secure Supply Chain Functionality)
Dell wired mouse with fingerprinter reader

Environmental

The following table lists the environmental specifications of your OptiPlex 5400 All-in-One.

Table 23. Environmental

Feature	Values
Recyclable packaging	Yes
BFR/PVC—free chassis	No
Vertical orientation packaging support	Yes
Multi-Pack packaging	No
Energy-Efficient Power Supply	Standard
ENV0424 compliant	Yes

NOTE: Wood-based fiber packaging contains a minimum of 35% recycled content by total weight of wood-based fiber. Packaging that contains without wood-based fiber can be claimed as Not Applicable. The anticipated required criteria for EPEAT 2018.

Regulatory compliance

The following table lists the regulatory compliance of your OptiPlex 5400 All-in-One.

Table 24. Regulatory compliance

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

Operating and storage environment

This table lists the operating and storage specifications of your OptiPlex 5400 All-in-One.

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

Table 25. Computer environment

Description	Operating	Storage
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	1.37 GRMS
Shock (maximum)	110 G†	160 G†
Altitude range	-15.2 m to 3048 m (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 ft)
CAUTION: 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.		

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

† Measured using a 2 ms half-sine pulse.

3

Engineering specifications

Physical system dimensions

The following table provides the physical dimensions of your OptiPlex 5400 All-in-One.

NOTE: System weight and shipping weight are based on a typical configuration and may vary based on your system configuration. A typical configuration includes integrated graphics, one hard drive, and one optical drive.

Table 26. Physical system dimensions

Feature	Values
Non-touch chassis dimensions (system without stand)	
Height	13.54 in. (344.00 mm)
Width	21.26 in. (540.20 mm)
Depth	2.07 in. (52.60 mm)
Maximum weight	14.73 lbs. (6.68 Kg)
Minimum weight	13.34 lbs. (6.05 Kg)
Touch chassis dimensions (system without stand)	
Height	13.54 in. (344.00 mm)
Width	21.26 in. (540.20 mm)
Depth	2.07 in. (52.60 mm)
Maximum weight	14.73 lbs. (6.68 Kg)
Minimum weight	13.34 lbs. (6.05 Kg)
Basic fixed stand dimensions	
Height	12.61 in. (320.12 mm)
Width	9.21 in. (234.00 mm)
Depth	8.09 in. (205.42 mm)
Weight	5.26 lb (2.39 kg)
Height adjustable stand dimensions	
Height	16.78 in. (426.28 mm)
Width	10.11 in. (256.96 mm)
Depth	8.92 in. (226.66 mm)
Weight	6.50 lb (2.95 kg)
Height adjustable stand with optical disk drive dimensions	
Height	17.03 in. (432.63 mm)
Width	11.33 in. (288.00 mm)
Depth	10.76 in. (273.50 mm)
Weight	8.27 lb (3.75 kg)

Table 26. Physical system dimensions (continued)

Feature	Values
Packaging parameters with basic fixed stand (includes packaging material)	
Height	19.09 in. (485.00 mm)
Width	7.20 in. (183.00 mm)
Depth	32.68 in. (830.00 mm)
Shipping weight (including packaging materials)	26.04 lb (11.81 kg)
Packaging parameters with height adjustable stand	
Height	19.09 in. (485.00 mm)
Width	7.20 in. (183.00 mm)
Depth	32.68 in. (830.00 mm)
Shipping weight (including packaging materials)	27.27 lb (12.37 kg)
Packaging parameters with height adjustable stand with optical disk drive	
Height	19.09 in. (485.00 mm)
Width	7.20 in. (183.00 mm)
Depth	32.68 in. (830.00 mm)
Shipping weight (including packaging materials)	28.81 lb (13.07 kg)

Add-in card dimensions

Slot limitations

The following table lists the system board connector maximum add-in card allowable dimensions of your OptiPlex 5400 All-in-One.

Table 27. M.2 2230 slot for Wi-Fi card

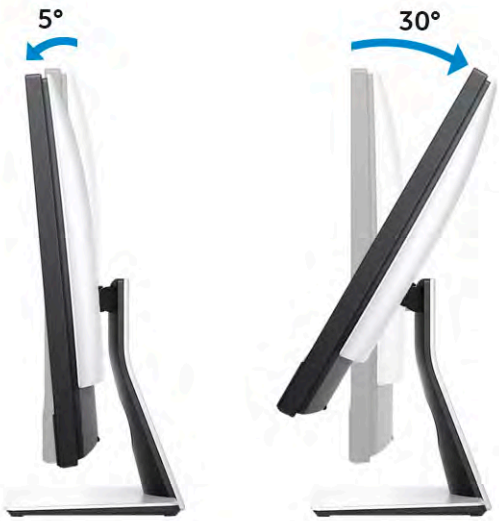
Voltage	3.3 V
Width	0.86 in. (22.00 mm)
Length	1.18 in. (30.00 mm)
Thickness	0.14 in. (3.65 mm)
Maximum wattage	6.6 W

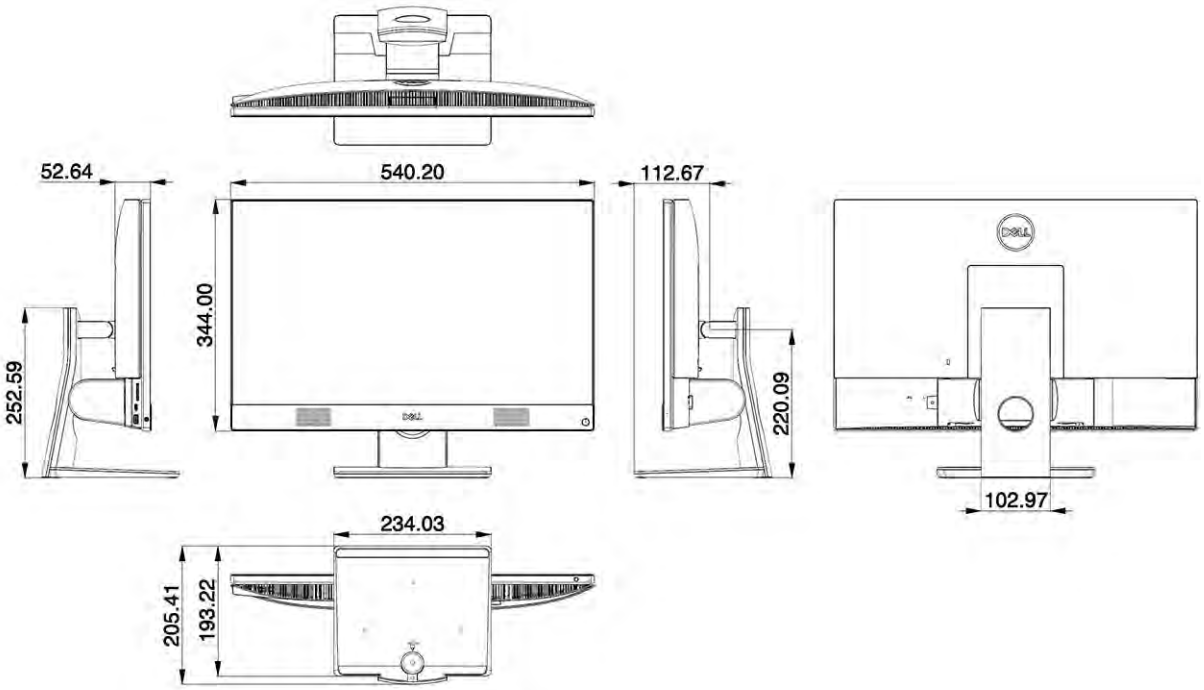
Table 28. M.2 2230/2280 slot for solid-state drive

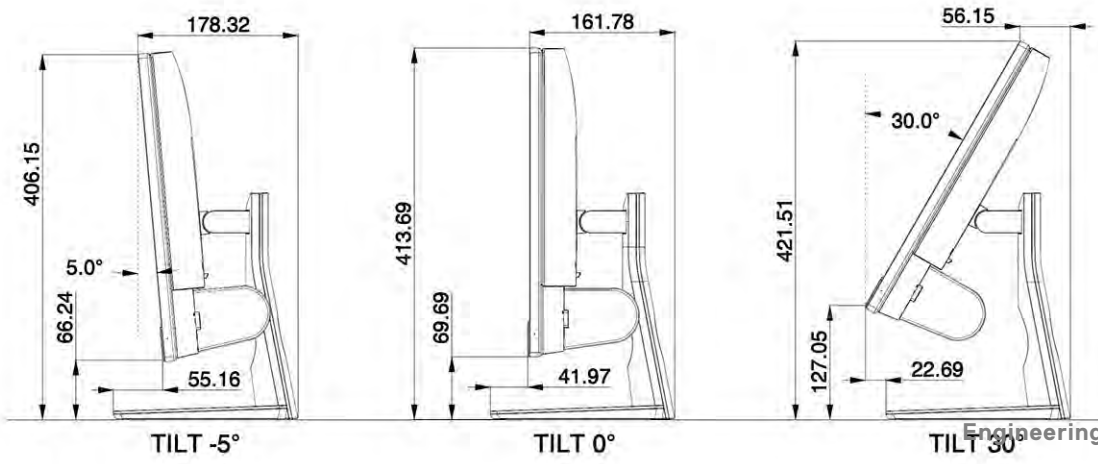
Voltage	3.3 V
Width	0.86 in. (22.00 mm)
Length	3.14 in. (80.00 mm)
Thickness	0.15 in. (3.80 mm)
Maximum Wattage	8.25 W

Stands and mounts

Fixed stand


5°
30°

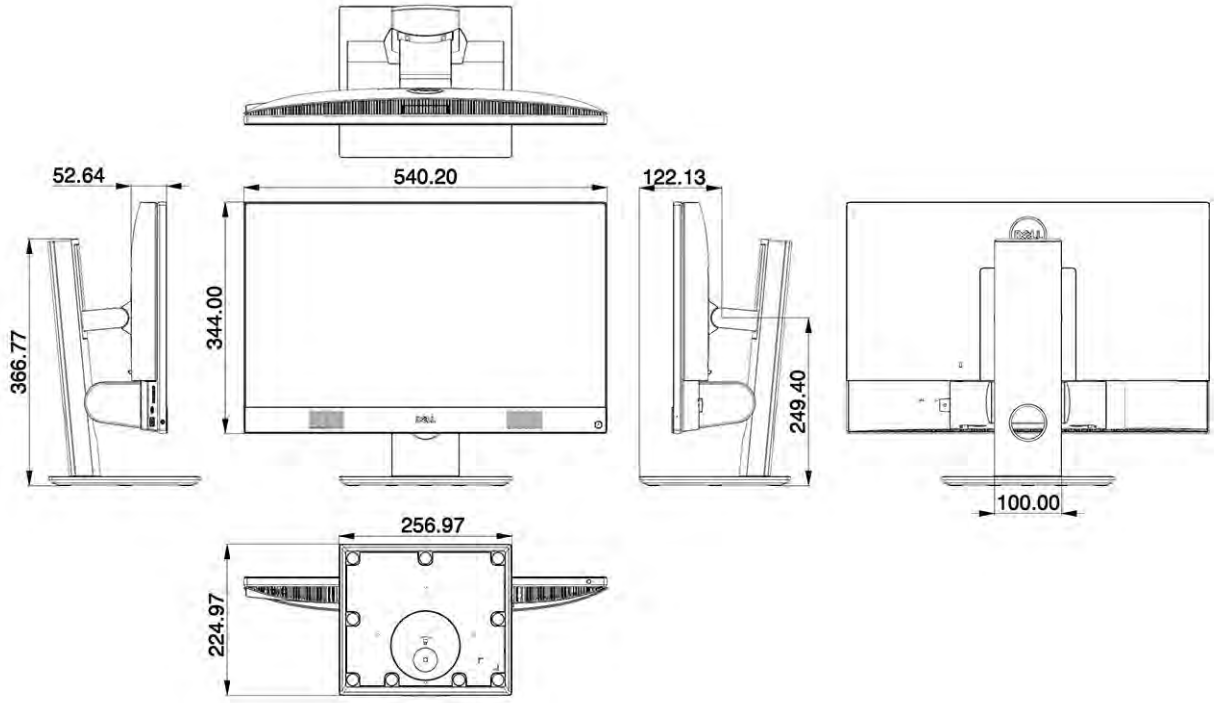

52.64
540.20
112.67
344.00
252.59
220.09
102.97
234.03
205.41
193.22

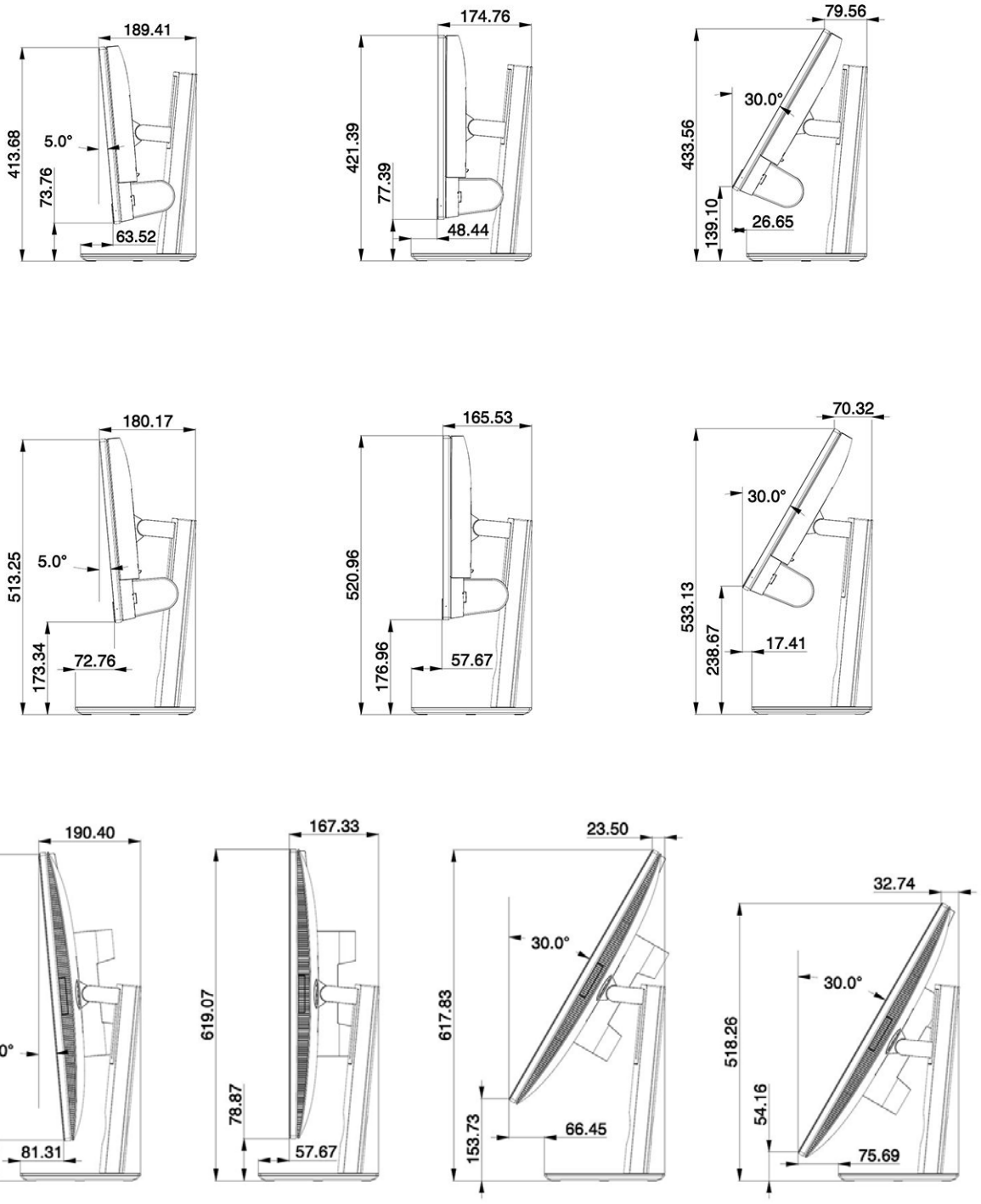

178.32
406.15
5.0°
66.24
55.16
TILT -5°
161.78
413.69
69.69
41.97
TILT 0°
56.15
30.0°
421.51
127.05
22.69
TILT 30°

NOTE: The unit of measurements is in millimeter (mm).

Height Adjustable Stand (HAS)

NOTE: The Height Adjustable Stand can go up and down around 100 mm, swivel left/right up to 45 degrees, and pivot up to 90 degrees.

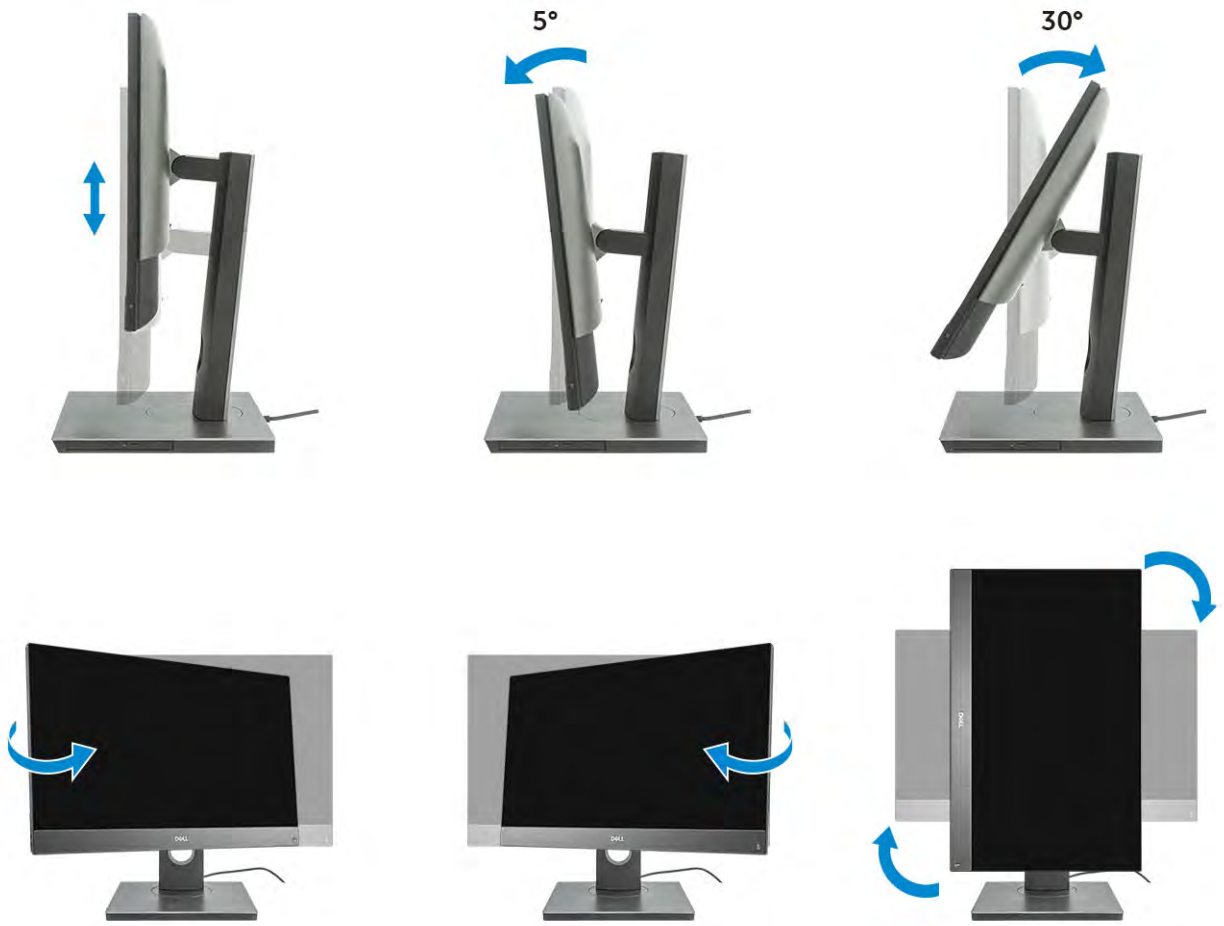




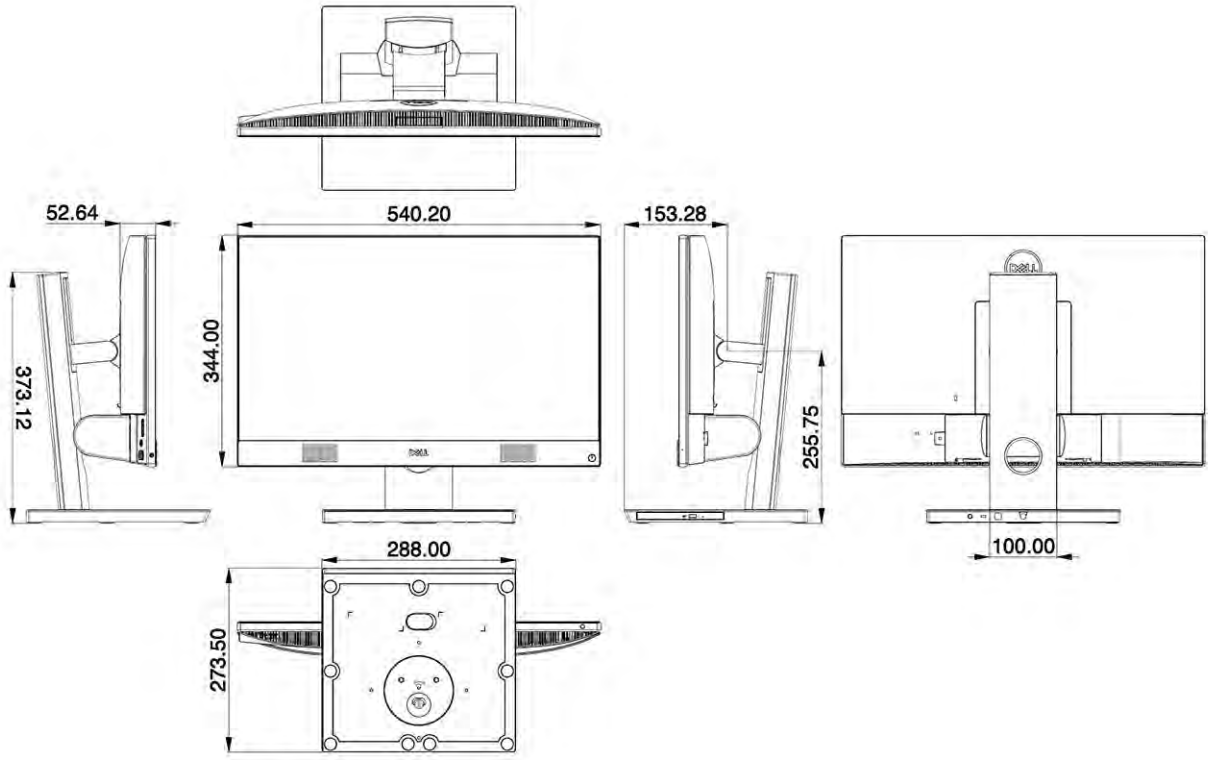
NOTE:

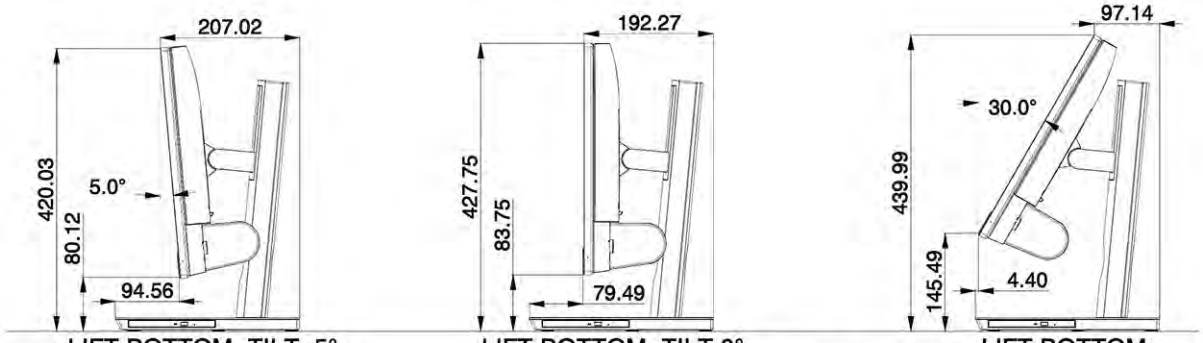
- The unit of measurements is in millimeter (mm).
- The HAS stand can be vertically moved up and down to 100 mm.

Height Adjustable Stand with Optical Disk Drive



NOTE: The Height Adjustable Stand can go up and down around 100 mm, swivel left/right up to 45 degrees, and pivot up to 90 degrees.

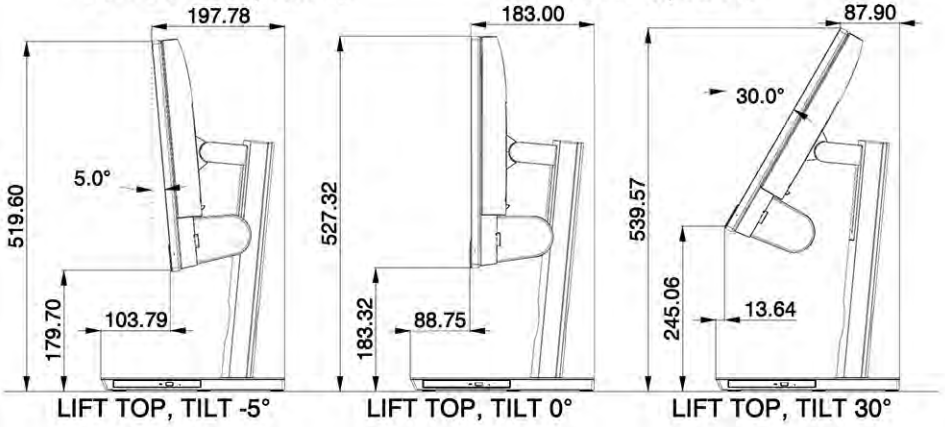




LIFT BOTTOM, TILT -5°

LIFT BOTTOM, TILT 0°

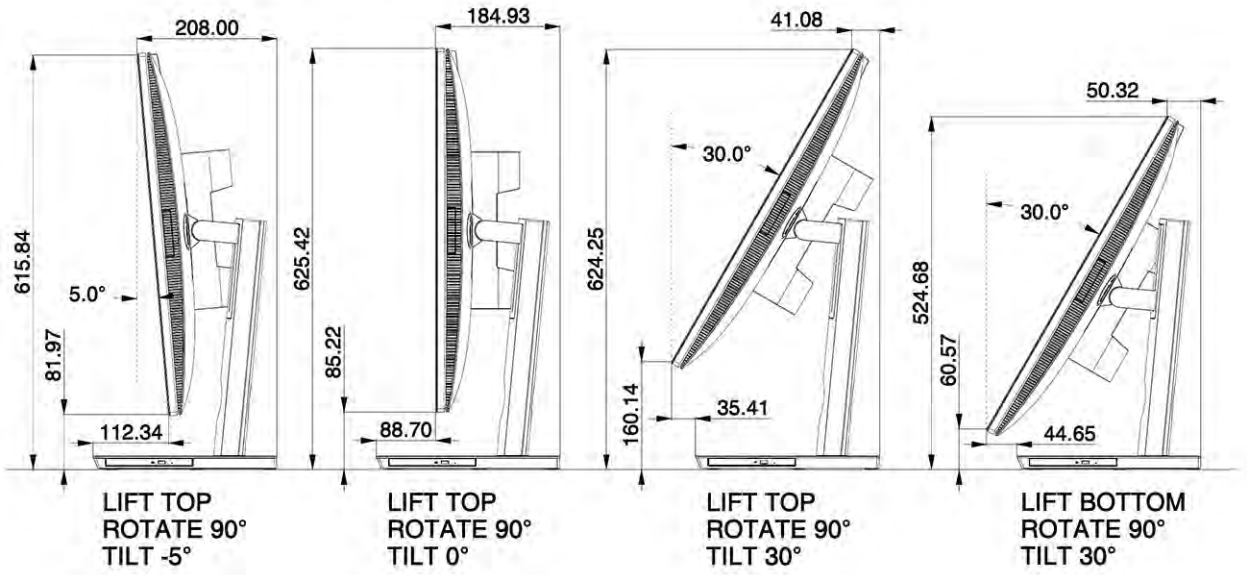
LIFT BOTTOM, TILT 30°



LIFT TOP, TILT -5°

LIFT TOP, TILT 0°

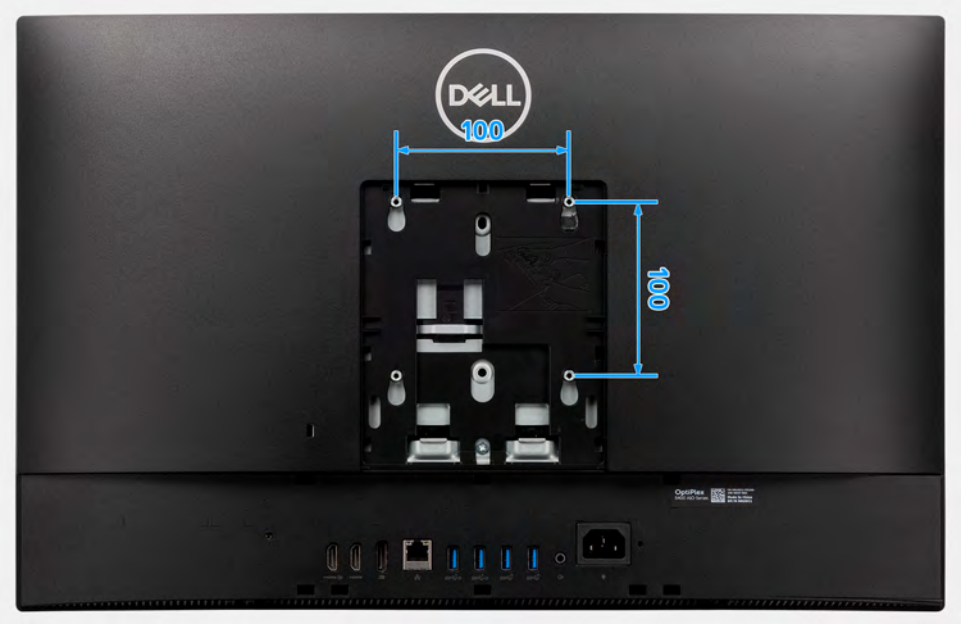
LIFT TOP, TILT 30°



NOTE: The unit of measurements is in millimeter (mm).

VESA mount

The VESA mount compatibility for OptiPlex 5400 All-in-One is 100x100 mm.



Ethernet

Intel Ethernet Connection i219-LM

The following table lists the i219-LM specifications.

Table 29. Intel Ethernet Connection i219-LM specifications

Feature	Values
External connector type	RJ45
Data rate	10/100/1000 Mbps
Controller Details	
Controller bus architecture	PCI Express base specification revision 1.1
Integrated memory	Yes
Data transfer mode	Yes (Bus-Master DMA)
Power consumption (Full operation per data rate connection speed)	542 mW (Max)
Power consumption (Standby operation)	76 mW (Max)
IEEE standards compliance	802.3
Hardware certifications	N/A
Boot ROM support	EEPROM (Located in SPI)
Network Transfer Mode	
10BASE-T (full/half-duplex)	10 Mbps
100BASE-TX (full/half-duplex)	100 Mbps
1000BASE-T (full-duplex)	1000 Mbps
Environmental	
Operating temperature range	0°C–85°C (32°F–185°F)
Operating humidity	20% to 80% (non condensing)
Operating system driver Support	• Windows (x64) • Ubuntu • Neokylin
Manageability	• Wakeup On LAN • PXE 2.1
Management capabilities alerting	Optional Intel Standard Manageability (must be made at time of purchase).
Supported under Intel vPro technology	Yes (Bus-Master DMA)

This term does not connote an actual operating speed of 1 Gb/sec. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

Wireless module

Intel AX201, 2x2 MIMO, 2400 Mbps, 2.40 GHz /5 GHz, Wi-Fi 6 (WiFi 802.11ax), Bluetooth 5.2

The following table lists the Intel Intel AX201 specifications.

Table 30. Intel AX201 specifications

Host interface	CNVi2 (Connectivity Integration 2nd generation)
Network standard	IEEE 802.11a/b/g/n/ac/ax, 160 MHz channel use, MU-MIMO
Wi-Fi Alliance certifications	• Wi-Fi CERTIFIED 6 • Wi-Fi CERTIFIED a/b/g/n/ac • WMM • WMM-Power Save • WPA2 • WPA3 • WPS • Protected Management Frames • Wi-Fi Direct • Wi-Fi Agile Multiband
Operating frequency bands	• 2.4 GHz • 5 GHz
Data rate	• 2.4 GHz 40M: Up to 574 Mbps • 5 GHz 80M: Up to 1.2 Gbps • 5 GHz 160M: Up to 2.4 Gbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Security methods	• WPA2 Personal and Enterprise • WPA3
Authentication protocols	• 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA)
Encryption	• 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP
Product safety	• UL • C-UL • CB (IEC60950-1)
Management capabilities alerting	Support for Intel AMT
Government compliance	• FIPS 140-2 • FISMA
Client utility	Intel PRO/Set wireless software v21 and later
Antenna diversity	Supported
Radio On/Off	Supported
Roaming	Support seamless roaming between access points

Table 30. Intel AX201 specifications (continued)

Wake on wireless	supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	• Dual Mode Bluetooth 5.2 • BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Bluetooth output power	Power class 1
Operating temperature	0°C to + 50°C (Full performance at shield temperatures up to 80°C)
Storage temperature	-40°C to +70°C
Humidity	Up to 90% RH non-condensing (at temperatures of 25° C to 35° C)

Intel AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth 5.2

The following table lists the Intel AX211 specifications.

Table 31. Intel AX211 specifications

Host interface	CNVi3 (Connectivity Integration 3rd generation)
Network standard	IEEE 802.11a/b/g/n/ac/ax, 160MHz channel use, MU-MIMO, new 6GHz band
Wi-Fi Alliance certifications	Wi-Fi CERTIFIED 6, Wi-Fi CERTIFIED a/b/g/n/ac,WMM, WMM-Power Save, WPA2, WPA3, WPS, PMF,Wi-Fi Direct, Wi-Fi Agile Multiband **NOTE:** Other names and brands may be claimed as the property of others.
Operating frequency bands	• 2.4 GHz • 5 GHz • 6 GHz
Data rate	• 2.4 GHz 40M: Up to 574 Mbps • 5/6 GHz 80M: Up to 1.2 Gbps • 5/6 GHz 160M: Up to 2.4 Gbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Security methods	• WPA2 Personal and Enterprise • WPA3
Authentication protocols	• 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA)
Encryption	• 64-bit and 128-bit WEP • TKIP

Table 31. Intel AX211 specifications (continued)

	• 128-bit AES-CCMP • 256-bit AES-GCMP
Product safety	• UL • C-UL • CB (IEC60950-1)
Management capabilities alerting	Support for Intel AMT
Government compliance	• FIPS 140-2 • FISMA
Client utility	Intel PRO/Set wireless software v22 and later
Antenna diversity	Supported
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	Supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	• Dual Mode Bluetooth 5.2 • BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Bluetooth output power	Power class 1
Operating temperature	0°C to + 50°C (Full performance at shield temperatures up to 80°C)
Storage temperature	-40°C to +70°C
Humidity	Up to 90% RH non-condensing (at temperatures of 25° C to 35° C)

Realtek RTL8822CE, 1x1, Wi-Fi 5 (WiFi 802.11ac), Bluetooth 5.0

The following table lists the Realtek RTL8822CE specifications.

Table 32. Realtek RTL8822CE specifications

Host interface	• Wi-Fi - PCIe • Bluetooth - USB
Network standard	IEEE 802.11a/b/g/n/ac, MU-MIMO
Wi-Fi Alliance certifications	• Wi-Fi certified a/b/g/n/ac • WMM • WPA • WPA2 • Wi-Fi Direct (Windows only)
Operating frequency bands	• 2.4 Ghz • 5 Ghz
Data rate	• 2.4 GHz 40M: Up to 300 Mbps

Table 32. Realtek RTL8822CE specifications (continued)

	• 5 GHz 80M: Up to 867 Mbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Authentication	• Open • Shared • WPA • WPA-PSK • WPA2 • WPA2-PSK
Client utility	Native Wi-Fi and Bluetooth Microsoft UI support
Software support	• Microsoft WHQL certified for Windows • Linux • Chrome
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	• Dual Mode Bluetooth 5.0 • BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Operating temperature	0°C to + 70°C
Storage temperature	-40°C to +85°C

GPU—Integrated

Intel UHD Graphics 710

Table 33. Intel UHD Graphics 710

Feature	Specifications
Bus type	Integrated
Memory type	Shared memory
Graphics level	Intel Pentium: GT0.5 (UHD)
Estimated Maximum Power Consumption (TDP)	35 W/46 W
Overlay planes	Yes
Operating systems graphics/video API support	DirectX 12, OpenGL (4.6)
Maximum vertical refresh rate	On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz)
External ports	One DisplayPort 1.4a port
Multiple display support	**With 2 displays**

Table 33. Intel UHD Graphics 710 (continued)

Feature	Specifications
	Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz)

Intel UHD Graphics 730

Table 34. Intel UHD Graphics 730

Feature	Specifications
Bus type	Integrated
Memory type	Shared memory
Graphics level	Intel Core i3/i5: GT1 (UHD)
Estimated Maximum Power Consumption (TDP)	65 W
Overlay planes	Yes
Operating systems graphics/ video API support	DirectX 12, OpenGL (4.6)
Maximum vertical refresh rate	• On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)
External ports	• One DisplayPort 1.4a port • One HDMI 2.0 port (65 W chassis only)
Multiple display support	**With 2 displays** • Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz) **With 3 displays** • Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) + On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)

Intel UHD Graphics 770

Table 35. Intel UHD Graphics 770

Feature	Specifications
Bus type	Integrated
Memory type	Shared memory
Graphics level	Intel Core i5/i7: GT1 (UHD)
Estimated Maximum Power Consumption (TDP)	65 W
Overlay planes	Yes
Operating systems graphics/ video API support	DirectX 12, OpenGL (4.6)
Maximum vertical refresh rate	• On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)
External ports	• One DisplayPort 1.4a port • One HDMI 2.0 port (65 W chassis only)

Table 35. Intel UHD Graphics 770 (continued)

Feature	Specifications
Multiple display support	**With 2 displays** • Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) • Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz) **With 3 displays** • Internal FHD panel (1920 x 1080 @ 60 Hz) + On board integrated DP1.4 HBR3 (5120 x 3200 @ 60 Hz) + On board integrated HDMI 2.0 (4096 x 2160 @ 60 Hz)

Video port and resolution matrix

The following table lists the Video port and resolution matrix of your OptiPlex 5400 All-in-One.

Table 36. Video port and resolution matrix

Port type	DisplayPort++ 1.4a/HDCP 2.3 port (UMA Graphics)	HDMI-OUT port—HDMI 2.0 (UMA Graphics)
Maximum resolution—single display	5120 x 3200 @ 60 Hz	4096 x 2160 @ 60 Hz
Maximum resolution—dual MST	3840 x 2160 @ 60 Hz, 3840 x 2160 @ 60 Hz	Not applicable
Maximum resolution—triple MST	2560 x 1600 @ 60 Hz, 2560 x 1600 @ 60 Hz, 2560 x 1600 @ 60 Hz	Not applicable

Storage

2.5-inch, 1 TB, 5400 RPM, SATA, HDD

Table 37. 2.5-inch, 1 TB, 5400 RPM, SATA, HDD specifications

Capacity	1 TB
Speed	5400 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	1,953,525,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C

Table 37. 2.5-inch, 1 TB, 5400 RPM, SATA, HDD specifications (continued)

Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 2 TB, 5400 RPM, SATA, HDD

Table 38. 2.5-inch, 2 TB, 5400 RPM, SATA, HDD specifications

Capacity	2 TB
Speed	5400 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	3,907,029,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 500 GB, 7200 RPM, SATA, HDD

Table 39. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD specifications

Capacity	500 GB
Speed	7200 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps

Table 39. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD specifications (continued)

MTBF	550,000 hours
Logical blocks	976,773,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 1 TB, 7200 RPM, SATA, HDD

Table 40. 2.5-inch, 1 TB, 7200 RPM, SATA, HDD specifications

Capacity	1 TB
Speed	7200 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	1,953,525,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS

Table 41. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS specifications

Capacity	500 GB
Speed	7200 RPM OPAL SED FIPS
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	976,773,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 42. 256 GB SSD specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	

Table 42. 256 GB SSD specifications (continued)

Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 512 GB, PCIe NVMe Gen3 x4, Class 35 SSD

The following table lists the M.2 2230, 512 GB SSD specifications.

Table 43. 512 GB SSD specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 1 TB, PCIe NVMe Gen3 x4, Class 35 SSD

The following table lists the M.2 2230, 1 TB SSD specifications.

Table 44. 1 TB SSD specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3

Table 44. 1 TB SSD specifications (continued)

Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Opal Self-Encrypting Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD, self-encrypting drive specifications.

Table 45. 256 GB SSD, self-encrypting drive specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 512 GB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 512 GB SSD specifications.

Table 46. 512 GB SSD specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 1 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 1 TB SSD specifications.

Table 47. 1 TB SSD specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C

Table 47. 1 TB SSD specifications (continued)

Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 2 TB SSD specifications.

Table 48. 2 TB SSD specifications

Capacity	2 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	4,000,797,360
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 512 GB SSD, self-encrypting drive specifications

Table 49. 512 GB SSD, self-encrypting drive specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen3

Table 49. 512 GB SSD, self-encrypting drive specifications (continued)

Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 4.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 1 TB SSD, self-encrypting drive specifications

Table 50. 1 TB SSD, self-encrypting drive specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 4.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

Media-card reader

The following table lists the media-card reader specifications of your OptiPlex 5400 All-in-One.

Table 51. Media-card reader (standard offering)

Media supported (Maximum capacity supported will vary by Flash Media Types)	
Media Supported	• Secure Digital High Capacity (SDHC) • Secure Digital Extended Capacity (SDXC) • Secure Digital (SD) 4.0 • SD UHS-I (UHS50)
Support Specification Versions	Secure Digital (SD) 4.0
Power source	
Max Power Requirements	0.8 A
Supply Voltage Range	3.3 V/1.8 V
Power Consumption	Standby less than 0.08 mA @ 3.3 VDC
Environmental operating conditions (Non-condensing)	
Operating Temperature Range	0°C to 70°C
Relative Humidity Range	95% RH—maximum
Environmental non-operating conditions (Non-condensing)	
Operating Temperature Range	-40°C to 65°C
Relative Humidity Range	5% to 95% RH

Power ratings

The following table lists the power ratings specifications of your OptiPlex 5400 All-in-One.

Table 52. Power ratings specifications

Description	**Values**	
Type	155 W(80 Plus Bronze)	160 W (80 PLUS Bronze)
Diameter (connector)	Not supported	Not supported
Input voltage	90 VAC to 264 VAC	90 VAC to 264 VAC
Input frequency	47 Hz to 63 Hz	47 Hz to 63 Hz
Input current (maximum)	3.6 A	3.6 A
Output current (continuous)	• +19.5 VA/7.5 A • +19.5 VB/7.0 A Standby mode: • +19.5 VA/0.5 A • +19.5 VB/1.75 A	• +19.5 VA/7.5 A • +19.5 VB/7.0 A Standby mode: • +19.5 VA/0.5 A • +19.5 VB/1.75 A
Rated output voltage	• +19.5 VA • +19.5 VB	• +19.5 VA • +19.5 VB
BTUs/h (based on PSU max wattage)	529	546
Active PFC	APFC Power Supply is offered with OptiPlex 5400 AIO.	

Table 52. Power ratings specifications (continued)

Description	Values	
Temperature range		
Operating	5°C to 42°C (41°F to 107°F)	5°C to 42°C (41°F to 107°F)
Storage	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Compliance		
Erp Lot6 Tier 2 requirement	Yes	Yes
80Plus compliant	Yes	Yes
Energy Star 8.0 compliant	Yes	Yes
GS mark compliant	Yes	Yes
FEMP Standby Power Compliant	Yes	Yes

Thermal dissipation

The following table lists the thermal dissipation of your OptiPlex 5400 All-in-One.

Table 53. Thermal dissipation

Power supply unit	Heat dissipation	Voltage
155 W (80 Plus Bronze)	528 BTU/hr	100 VAC–240 VAC, 50 Hz–60 Hz, 3.60 A/1.80 A
160 W (80 Plus Bronze)	546 BTU/hr	100 VAC–240 VAC, 50 Hz–60 Hz, 3.6 A/1.8 A

CMOS battery

The following table lists the CMOS battery specifications of your OptiPlex 5400 All-in-One.

Table 54. CMOS battery

Brand	Type	Voltage	Composition	Battery life
• KTS • DBV	CR2032	3.0 V	Lithium metal	Continuous Discharge Under 15 kΩ Load to 2.0 V End-Voltage. 20℃±2℃ 940 Hrs. or Longer.910 Hrs.or Longer after 12 mo.

Accessories

The following table lists the recommended accessories for your OptiPlex 5400 All-in-One.

Table 55. Accessories

Accessories
Audio Dell Pro Wired Headset - WH3022
Keyboard Dell KM5221W Wireless Keyboard/Mouse Combo

Table 55. Accessories (continued)

Accessories
Mouse ● Dell Wired Mouse with Fingerprint Reader - MS819 (Optional) ● Dell KM5221W Wireless Keyboard/Mouse Combo
Stylus Targus Stylus for Capacitive Touch Devices
Additional monitor Qualified with select Dell UltraSharp, Professional, and E-series monitors
Locks Noble custom AIO Plate Lock, Dell Combination Lock LC300, Dell Premium Lock LP500, KensingtonTwin Head Lock, Dell Lockable Port Cover
Stands ● Fixed stand ● Height Adjustable Stand ● Height Adjustable Stand with Optical Disk Drive

Security

Software security

The following table lists the software security details of your OptiPlex 5400 All-in-One.

Table 56. Software security

Security options
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

Trusted Platform Module

The following table lists the Trusted Platform Module (TPM) of your OptiPlex 5400 All-in-One.

Table 57. Trusted Platform Module (TPM)

TPM: ST/ST33 HTPH2X32AHD8
SPI interface
TPM 2.0
FIPs 140-2 certificate

Mil-SPEC

The OptiPlex 5400 All-in-One meets military specifications for the following MIL-STD 810H tests verified by SGS laboratories:

Table 58. Military specifications

Test category	Test method	Test parameters	Result
Altitude Storage/Air Transport	MIL-STD-810H, Method 500.6 Procedure I	• Test Pressure: Equivalent to cabin altitude of 15,000 feet • Temperature: 21°C • Altitude Change Rate: <10 m/s • Duration: 1 hour • Test pressure: Equivalent to cabin altitude of 15,000 feet	Pass
Altitude Operational/Air Carriage	MIL-STD-810H, Method 500.6, Procedure II	• Temperature: 21°C • Altitude Change Rate: <10 m/s • Duration: 1 hour	Pass
High Temperature Storage and Transition	MIL-STD-810H, Method 501.7, Procedure I	• Duration: 7 x 24 hours per cycle • Temperature: 33°C–71°C (nonoperational and storage) Table 501.7 - III High Temperature cycles • Climate category A1 - Hot Dry	Pass
High Temperature Operation	MIL-STD-810H, Method 501.7, Procedure II	• Duration: 5 x 24 hours per cycle • Temperature: 32°C–49°C (Ambient Air) Table 501.7 - III High Temperature cycles • Climate category A1 - Hot Dry	Pass
Low temperature - Storage	MIL-STD-810H, Method 502.7, Procedure I	• Duration: 24 hrs. • Temperature: -51°C	Pass
Low temperature - Operational	MIL-STD-810H, Method 502.7, Procedure II	• Duration: 24 hrs. • Temperature: -29°C	Pass
Humidity: - Induced (Storage and Transit) Cycles	MIL-STD-810H, Method 507.6, Procedure I	• Duration: Table 507.6-II, (Hot-humid Cycle B3) • Material Category: Non-Hazardous Items Normal Test Duration. • Duration: 12 Hour Air velocity = 1.5 m/s	Pass
Sand and dust - Blowing dust	MIL-STD-810H, Method 510.7, Procedure I	• (300 ft./min) to 8.9 m/s (1750 feet/min) • Temperature: 60°C • Relative Humidity: 30%.	Pass

Table 58. Military specifications (continued)

Test category	Test method	Test parameters	Result
Vibration	MIL-STD-810H, Method 514.8, Procedure I, Table 514.8C-II Category 4	• Operational Vibration, 10-500 Hz, 1.04 Grms, random 1 hour on bottom, left and back side.	Pass
Vibration - Minimum integrity test	MIL-STD-810H, Method 514.8, Procedure I, Category 24	• Non-OP vibration, 20-2000, Hz, 7.69 Grms • Test Duration: 1 hr/axis • Test axis: X,Y, and Z	Pass
Shock - Functional Shock	MIL-STD-810H, Method 516.8, Procedure I	185 g, 2 ms Half Sine 1 shock/axis/direction for a total of 6 shocks.	Pass
Shock - Transportation Shock	MIL-STD-810H, Method 516.8 Procedure II: Material to be Packaged	• On-road Shock, 5.1 g / 11 m (Table 516-8-VII) • Off-road Shocks 15.2 g / 5 milliseconds (Table 516-8-VII) • Test unit orientations at X, Y, and Z axis for both test. • Unit is Non-Operational during both test. • Saw that tooth wave form can be replaced by other classical wave forms necessary to meet test equipment capability.	Pass
Shock-Bench Handling	MIL-STD-810H, Method 516.8, Procedure VI	Angle drops onto Bench Top per MIL STD Procedure VI	Pass

Acoustic noise emission information

The following table lists the acoustic noise emission information of your OptiPlex 5400 All-in-One.

Table 59. OptiPlex 5400 All-in-One with Pentium G7400T processor/2 x 32 GB memory/M.2 2 TB SSD/2 TB hard drive

Component	Test Configuration
CPU	Intel Pentium Gold G7400T
Memory	32 GB + 32 GB
HDD (#, capacity)	2.5-inch, 2 TB hard drive and M.2, 2 TB solid-state drive
ODD	N/A
Graphics Adapter	Intel UHD Graphics

Table 60. Declared Sound Power (LWAd)

Operating Mode	Declared Sound Power(LWAd)
Idle	2.80
HDD Operating	2.90
CPU Stressed	3.30
ODD Operating	N/A

Table 61. A-Weighted Sound Pressure Level (dB)

Declared Sound Pressure (LpA)				
	Tabletop System		Floor Standing System	
Operating Mode	**Operator Position**	**Bystander Position**	**Operator Position**	**Bystander Position**
Idle	21.60	N/A	N/A	N/A
CPU Stressed	24.10	N/A	N/A	N/A

Table 62. OptiPlex 5400 All-in-One with i9-12900 processor/2 x 32 GB memory/M.2 2 TB SSD/2 TB hard drive

Component	Test Configuration
CPU	12th Generation Intel Core i9-12900
Memory	32 GB + 32 GB
HDD (#, capacity)	M.2, 2 TB solid-state drive and 2.5-inch, 2 TB hard drive
ODD	N/A
Graphics Adapter	Intel UHD Graphics

Table 63. Declared Sound Power (LWAd)

Operating Mode	Declared Sound Power(LWAd)
Idle	3.20
Storage Operating	3.80
CPU Stressed	3.40
ODD Operating	N/A

Table 64. A-Weighted Sound Pressure Level (dB)

Declared Sound Pressure (LpA)				
	Tabletop System		Floor Standing System	
Operating Mode	**Operator Position**	**Bystander Position**	**Operator Position**	**Bystander Position**
Idle	23.90	N/A	N/A	N/A
CPU Stressed	28.30	N/A	N/A	N/A

All tests are conducted according to ISO 7779 and declared according to ISO 9296 except CPU Stressed. This test mode is not specified in ISO 7779, but was measured using the same microphone distances and measurement techniques defined for the other reported operating modes.

Declared Sound Power rounded to nearest tenth of a bel per ISO 9296 section 4.4.2

Chassis enclosure and ventilation requirements

Enclosure ventilation

If your enclosure has doors, they need to be of a type that allows at least 30% airflow through the enclosure (front and back).

Enclosure minimum clearance

Leave a 10.2 cm (4 in.) minimum clearance on all vented sides of the computer to permit the airflow required for proper ventilation.

Recommended enclosure

Do not install your computer in an enclosure that does not allow airflow/dusty environment/temperate over 35ºC. Do not put any objects to directly block air-vent. This restricts the airflow and impacts your computer's performance, possibly causing it to overheat.

Open desk minimum clearance

If your computer is installed in a corner, on a desk, or under a desk, leave at least 5.1 cm (2 in.) clearance from the back of the computer to the wall to permit the airflow required for proper ventilation.

System management features

Dell commercial systems come with a number of systems management options that are include by default for In-Band management with our Dell Client Command Suite. In-Band management meaning that the Operating System is functional and the device is connected to a network so that it can be managed. The Dell Client Command Suite of tools can be leveraged individually or with a systems management console like SCCM, LANDESK, KACE, etc.

We also offer Out-of-Band management as an option. Out-of-band management is when the system does not have a functional operating system or is turned off and you still want to be able to manage the system in that state.

Dell Client Command Suite for In-Band systems management

Dell Client Command Suite is a free toolkit available for download, for all Latitude Rugged tablets at dell.com/support, that automates and streamlines systems management tasks, saving time, money, and resources. It consists of the following modules that can be used independently, or with a variety of systems management consoles such as SCCM.

Dell Client Command Suite's integration with VMware Workspace ONE Powered by AirWatch, now allows customers to manage their Dell client hardware from the cloud, using a single Workspace ONE console.

Dell Command | Deploy enables easy operating system (OS) deployment across all major OS deployment methodologies and provides numerous system-specific drivers that have been extracted and reduced to an OS-consumable state.

Dell Command I Configure is a graphical user interface (GUI) admin tool for configuring and deploying hardware settings in a pre-OS or post-OS environment, and it operates seamlessly with SCCM and Airwatch and can be self-integrated into LANDesk and KACE. Simply, this is all about the BIOS. Command I Configure allows you to remotely automate and configure over 150+ BIOS settings for a personalized user experience.

Dell Command I PowerShell Provider can do the same things as Command I Configure, but with a different method. PowerShell is a scripting language that allows customers to create a customized and dynamic configuration process.

Dell Command I Monitor is a Windows Management Instrumentation (WMI) agent that provides IT admins with an extensive inventory of the hardware and health-state data. Admins can also configure hardware remotely by using command line and scripting.

Dell Command I Power Manager (end-user tool) is a GUI-based factory-installed battery management tool that allows end users to choose the battery management methods that meet their personal preferences or work schedule without sacrificing IT's capability to control those settings with Group Policy.

Dell Command | Update (end-user tool) is factory-installed and allows admins to individually manage and automatically present and install Dell updates to the BIOS, drivers, and software. Command I Update eliminates the time-consuming hunting and pecking process of update installation.

Dell Command I Update Catalog provides searchable metadata that allows the management console to retrieve the latest system-specific updates (driver, firmware or BIOS). The updates are then delivered seamlessly to end-users using the customer's systems management infrastructure that is consuming the catalog (like SCCM).

Dell Command | vPro Out of Band console extends hardware management to systems that are offline or have an un-reachable OS (Dell exclusive features).

Dell Command | Integration Suite for System Center - This suite integrates all the key components of the Client Command Suite into Microsoft System Center Configuration Manager 2012 and Current Branch versions.

Out of Band Systems Management

Intel Standard Manageability option **must be configured at factory at the time of purchase, as they are NOT field upgradable.** They offer out-of-band management and DASH compliance (https://registry.dmtf.org/registry/results/field_initiative_name%3A%22DASH%201.0%22).

The vPro Essentials management option provides the tool to boot, power on, and configure the devices remotely out of band. Supported on the i5 and i7 vPro processors.

4

Dell Optimizer

This section details the Dell Optimizer specifications of your OptiPlex 5400 All-in-One.

On OptiPlex 5400 All-in-One with Dell Optimizer, the following features are supported:

- **Express Connect**—Automatically joins the access point with the strongest signal, and directs bandwidth to conferencing applications when in use.
- **ExpressResponse**—Prioritizes the most important applications. Applications open faster and perform better.
- **Intelligent Audio**—Automated tuning that delivers optimized sound quality driven by data from system sensors. Automatically detects your surroundings and applies intelligent audio best suited for collaboration.

For more information about configuring and using these features, see Dell Optimizer User Guide.

5

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 65. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type `Contact Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows www.dell.com/support/linux
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support. For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer.
Dell knowledge base articles for a variety of computer concerns	1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select **Support** > **Knowledge Base**. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

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

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