Alienware Alpha

Views

Specifications

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

ALIENWARE™

Views

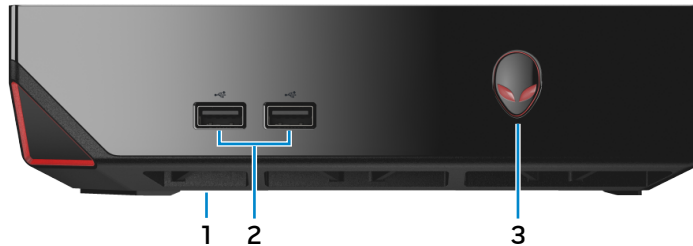## Front

Front

Back

1 USB 2.0 port (beneath USB port cover)

Connect a Bluetooth/wireless receiver for wireless keyboard, mouse, and so on.

2 USB 2.0 ports (2)

Connect peripherals such as storage devices, printers, and so on. Provide data transfer speeds up to 480 Mbps.

3 Power button

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

Press to shut down the computer 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 **dell.com/support**.

Views

Back

Front
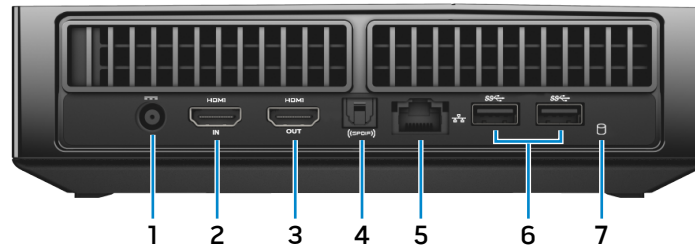
Back

1 **Power-adapter port**

Connect a power adapter to provide power to your computer.

2 **HDMI-in port**

Connect a gaming console, Blu-ray player, or other HDMI-out enabled devices.

3 **HDMI-out port**

Connect a monitor, TV, or other HDMI-in enabled devices. Provides video and audio output.

4 **Optical S/PDIF port**

Connect an amplifier, speakers, or a TV for digital audio output through optical cables.

5 **Network port**

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

The two lights next to the port indicate the connectivity status and network activity.

6 **USB 3.0 ports (2)**

Connect peripherals such as storage devices, printers, and so on. Provide data transfer speeds up to 5 Gbps.

7 **Hard-drive activity light**

Turns on when the computer reads from or writes to the hard drive.

Specifications

Dimensions and Weight

Height	55 mm (2.17 in)
Width	200 mm (7.87 in)
Depth	200 mm (7.87 in)
Weight (maximum)	1.81 kg (4 lb)
	NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

Dimensions and Weight   **System Information**   **Memory**   **Ports and Connectors**   **Communications**   **Video**   **Audio**   **Storage**

Power Adapter   **Computer Environment**

System Information

Computer model	Alienware Alpha
Processor	▪ 4th Generation Intel Dual Core i3 ▪ 4th Generation Intel Quad Core i5 ▪ 4th Generation Intel Quad Core i7
Chipset	Intel H81
DMI speed	5.0 GT/s
Processor data width	64 bits

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

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Storage

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Computer Environment

Memory

Connector	Two SODIMM slots
Type	DDR3L
Speed	1600 MHz
Configurations supported	2 GB, 4 GB, 8 GB, and 16 GB

Dimensions and Weight

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Ports and Connectors

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Ports and Connectors

External:	
Network	One RJ45 port
USB	▪ Three USB 2.0 ports ▪ Two USB 3.0 ports
Video/Audio	▪ One optical S/PDIF port ▪ One HDMI-in port ▪ One HDMI-out port
Internal:	
M.2	One M.2 card slot for WLAN and Bluetooth

Dimensions and Weight   **System Information**   **Memory**   **Ports and Connectors**   **Communications**   **Video**   **Audio**   **Storage**

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Communications

Ethernet	10/100/1000 Mbps Realtek RTL8151 Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11 a/g/n
	• Wi-Fi 802.11 a/g/n/ac
	• Bluetooth 4.0

Dimensions and Weight

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Specifications

Video

Controller	NVIDIA GeForce GPU
Memory	2 GB GDDR5

Dimensions and Weight

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Audio

Controller	• Intel HD Audio
	• Realtek ALC3220 for optical S/PDIF output

Dimensions and Weight

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Specifications

Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive

Dimensions and Weight

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Specifications

Power Adapter

Type	130 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Output current	6.70 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	−40°C to 70°C (−40°F to 158°F)

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Specifications

Computer Environment

	Operating	Storage
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985	
Temperature range	5°C to 35°C (41°F to 95°F)	−40°C to 65°C (−40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.26 GRMS	1.37 GRMS
Shock (maximum)	40 G for 2 ms with a change in velocity of 20 in/s (51 cm/s)†	105 G for 2 ms with a change in velocity of 52.5 in/s (133 cm/s)
Altitude (maximum)	−15.24 m to 3048 m (−50 ft to 10,000 ft)	−15.24 m to 10,668 m (−50 ft to 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.

Dimensions and Weight

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