Alienware Area-51

Views

Specifications

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

ALIENWARE™

Views

Front

Front

Back

Back panel

**1 Power button
(Alien head 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.

2 Optical-drive eject button

Press to eject the media from the optical drive.

3 Optical drive

Reads from and writes to CDs, DVDs, and Blu-ray discs.

4 Headphone port

Connect a headphone or speakers.

5 Microphone port

Connect an external microphone to provide sound input.

6 USB 3.0 ports (2)

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

7 Media-card reader

Reads from and writes to media cards.

Views
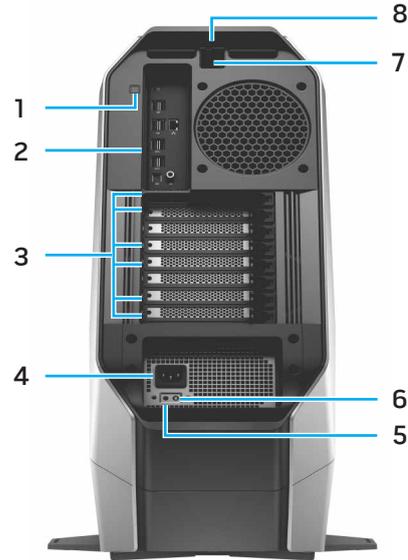
Back

1 Rear I/O accessibility lighting button

Press to illuminate the back panel ports.

2 Back panel

Connect USB, audio, video, and other devices.

3 Expansion bays

Connect external displays or projectors via graphics cards or other peripherals via their respective PCI-Express cards.

> 📝 **NOTE:** If you have two graphics cards, the top graphics slot will be the primary graphics card. If you have three graphics cards, the bottom graphics slot will be the primary graphics card.

4 Power cable port

Connect a power cable to provide power to your computer.

5 Power-supply diagnostics button

Press to check the power-supply state.

6 Power-supply diagnostics light

Indicates the power-supply state.

7 Security-cable slot

Connect a security cable to prevent unauthorized movement of your computer. This prevents the latch from opening.

8 Security-cable slot latch

Release to allow opening the side panel.

Views

Back panel
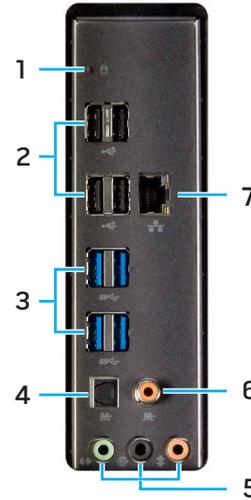
1   Hard-drive activity light

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

2   USB 2.0 ports (4)

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

3   USB 3.0 port (4)

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

4   Optical S/P DIF port

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

5   Audio ports

Connect speakers.

6   Coaxial S/P DIF port

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

7   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 connector indicate the connectivity status and network activity.

Specifications

Dimensions and Weight

Height	569.98 mm (22.44 in)
Width	638.98 mm (25.15 in)
Depth	272.71 mm (10.73 in)
Weight (maximum)	28 kg (61.73 lbs)
	NOTE: The weight of your desktop varies depending on the configuration ordered and the manufacturing variability.

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

Media-Card Reader   **Power Ratings**   **Computer Environment**
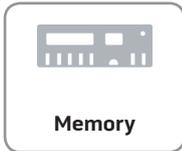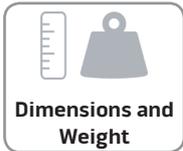
Specifications

System Information

Computer model	Alienware Area-51 R2
Processor	Intel Core i7
Chipset	Intel X99 Express

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Power Ratings

Computer Environment

Memory

Connector	Four internally-accessible DDR4 DIMM socket
Type	DDR4
Speed	2133 MHz
Configurations supported	8 GB, 12 GB, 16 GB, and 32 GB

Dimensions and Weight

System Information

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Specifications

Ports and Connectors

External:	
Network	One RJ45 port
USB	▪ Four USB 2.0 ports
	▪ Six USB 3.0 port
Audio	▪ Four audio output/headphone ports
	▪ One audio input/microphone port
	▪ One optical S/P DIF port
	▪ One coaxial S/P DIF port
Media-card reader	One 9-in-1 card slot
Internal:	
M.2	▪ One M.2 card slot for WLAN and Bluetooth
Storage	▪ Six SATA ports
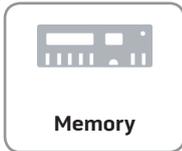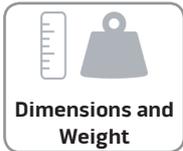
Specifications

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	▪ Wi-Fi 802.11 ac ▪ Bluetooth 4.0

Dimensions and Weight

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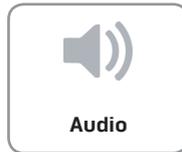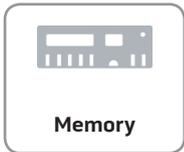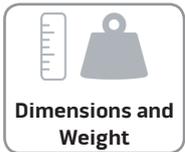
Specifications

Video

Type	• Up to three PCI-Express x16, single-/double-width, full length graphics card
Controller (Discrete)	• Single AMD and NVDIA • Also supports Dual/Triple AMD and NVIDIA (SLI)
	NOTE: The graphics configuration of your desktop varies depending on the power supply and graphics card configuration ordered.

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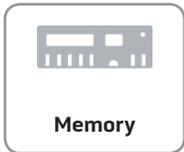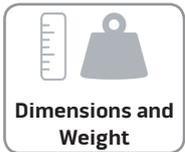
Specifications

Audio

Controller	Creative Sound Core 3D
Type	• Integrated 5.1 channel • Intel High Definition Audio with S/PDIF support

Dimensions and Weight

System Information

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Ports and Connectors

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Computer Environment
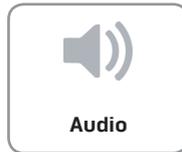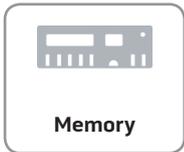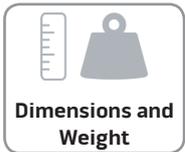
Specifications

Storage

Externally accessible	One 5.25-inch drive bay for DVD+/-RW, Blu-ray Disc combo (optional), or Blu-ray Disc writer (optional)
Internally accessible	• Three 3.5-inch drive bay for SATA hard drives • Two 2.5-inch drive bay for SATA solid-state drives

Dimensions and Weight

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Media-Card Reader

Type	One 9-in-1 slot
Cards supported	▪ Secure Digital (SD)
	▪ Secure Digital Input Output (SDIO)
	▪ Secure Digital High Capacity (SDHC)
	▪ SD Extended Capacity (SDXC 3.0)
	▪ MultiMedia Card (MMC)/MultiMedia Card (MMC) Plus
	▪ Memory Stick (MS)
	▪ Memory Stick PRO (MS PRO)
	▪ Memory Stick PRO Duo (with adapter)
	▪ Memory XC Duo (with adapter)

Dimensions and Weight

System Information

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Media-Card Reader

Power Ratings

Computer Environment

Power Ratings

Type	850 W	1500 W	1500 W
Input voltage	100 VAC–240 VAC	100 VAC–240 VAC	200 VAC–240 VAC
Input frequency	50 Hz–60 Hz	50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)	10 A	15 A	10 A
Output current	+3.3 V/20 A, +5 V/20 A, +12 VA/32 A, +12 VB/48 A, +12 VD/16 A, −12 V/0.5 A, +5 Vaux/4 A	+3.3 V/20 A, +5 V/25 A, +12 VA/32 A, +12 VB/48 A, +12 VC/48 A, +12 VD/16 A, −12 V/0.5 A, +5 Vaux/4 A	+3.3 V/20 A, +5 V/25 A, +12 VA/32 A, +12 VB/48 A, +12 VC/48 A, +12 VD/16 A, −12 V/0.5 A, +5 Vaux/4 A
Rated output voltage	+3.3 V, +5 V, +12 VA, +12 VB, +12 VD, −12 V, +5 Vaux	+3.3 V, +5 V, +12 VA, +12 VB, +12 VC, +12 VD, −12 V, +5 Vaux	+3.3 V, +5 V, +12 VA, +12 VB, +12 VC, +12 VD, −12 V, +5 Vaux
Temperature range:			
Operating		5°C to 50°C (41°F to 122°F)	
Storage		−40°C to 70°C (−40°F to 158°F)	

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

Media-Card Reader	Power Ratings	Computer Environment
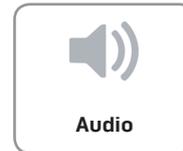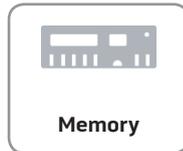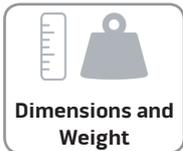
Computer Environment

	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.

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Media-Card Reader **Power Ratings** **Computer Environment**