Inspiron 20

Views

Specifications

2014 - 02   Rev. A00

Regulatory model: W09B | Type: W09B002

Computer model: Inspiron 20 Model 3045

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

Views

Front

Left

Right

Back

Tilt

## Front

1   2   3   4
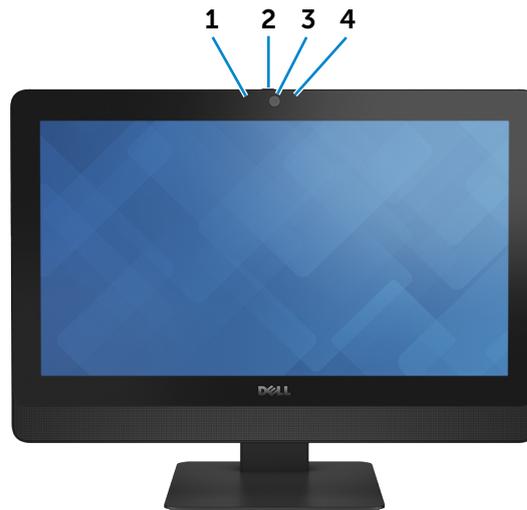
1   Microphone

Provides high-quality digital sound input for audio recording, voice calls, and so on.

2   Camera-cover latch

Covers your computer camera lens. Slide the latch to the right-side of your computer to cover the camera lens.

3   Camera

Allows you to video chat, capture photos, and record videos.

4   Camera-status light

Turns on when the camera is in use.

Views

Front

Left

Right

Back

Tilt

Left


1   2   3
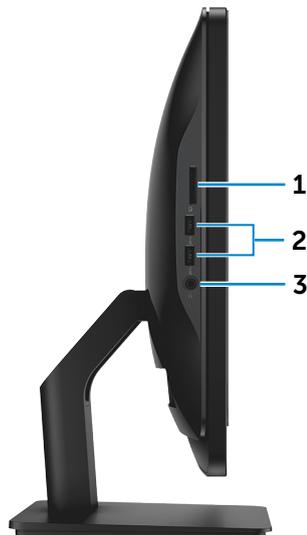
1   **Media-card reader**

Reads from and writes to media cards.

2   **USB 3.0 ports (2)**

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

3   **Headset port**

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

Views

Front

Left

Right

Back

Tilt

Right

1

2
3
4

5
6

1   Optical drive

Reads from and writes to CDs and DVDs.

2   Increase display brightness

Press to increase the display brightness.

3   Decrease display brightness

Press to decrease the display brightness.

4   Display off/on button

Press and hold to turn-off the screen; press again to turn-on the screen.

5   Hard-drive activity light

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

6   Power button

Turns on your computer or changes the power state of your computer.

Views

Back

1   **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.

2   **Power-adapter port**

Connect a power adapter to provide power to your computer.

**3**   **Audio-out port**

Connect audio-output devices such as speakers, amplifiers, and so on.

4   **USB 2.0 ports (2)**

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

Views

Front

Left

Right

Back

Tilt

Tilt

30°

5°

Specifications

Dimensions and Weight

Height	385.58 mm (15.18 in)
Width	489.92 mm (19.29 in)
Depth	204.97 mm (8.06 in)
Weight (maximum):	
Without stand	4.37 kg (9.63 lb)
With stand	5.87 kg (12.94 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

Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
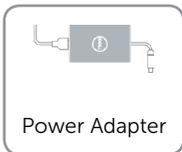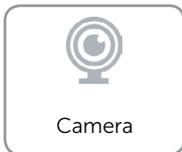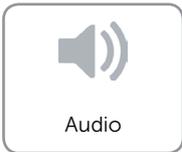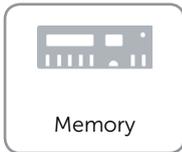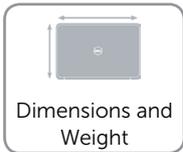
Specifications

System Information

Computer model	Inspiron 20 Model 3045
Processor	• AMD E1-2500 • AMD A4-5000

Dimensions and Weight	System Information	Memory	Ports and Connectors	Communications	Video	Audio	Storage
Media-Card Reader	Display	Camera	Stand	Power Adapter	Computer Environment		
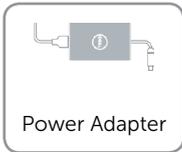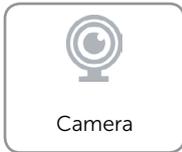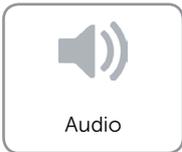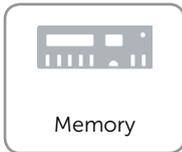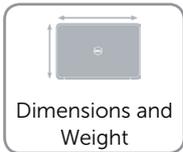
Memory

Connector	Two SODIMM sockets
Type	Dual-channel DDR3
Speed	• 1333 MHz for AMD E1-2500 • 1600 MHz for AMD A4-5000
Configurations supported	2 GB, 4 GB, 6 GB, and 8 GB

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
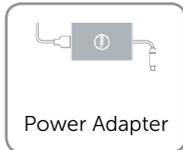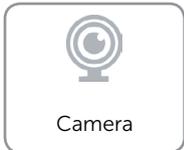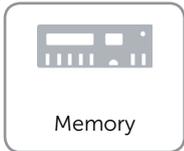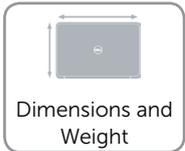
Specifications

Ports and Connectors

External:	
Network	One RJ45 port
USB	• Two USB 2.0 ports • Two USB 3.0 ports
Audio	• One headphone and microphone combo (headset) port • One audio-out port
Internal:	
Mini-Card	One half Mini-Card slot for Wi-Fi and Bluetooth combo card (optional)

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
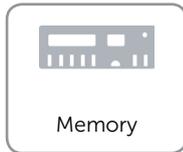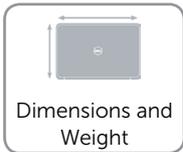
Specifications

Communications

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

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
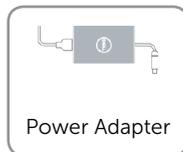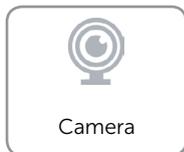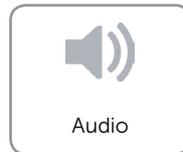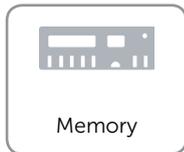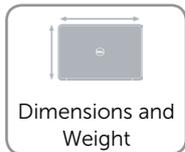
Video

Controller	• AMD Radoen HD 8240
	• AMD Radeon HD 8330
Memory	Shared system memory

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
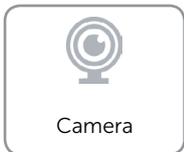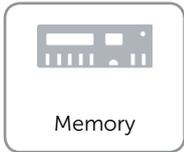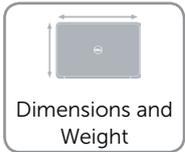
Audio

Controller	Realtek ALC3661
Speakers	Two
Speaker output:	
Average	2.5 W
Peak	3.5 W
Microphone	Digital microphone in camera assembly
Volume controls	Program menus

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
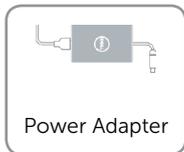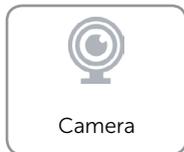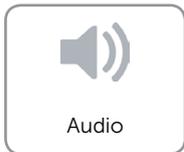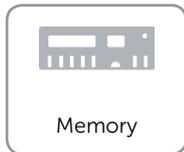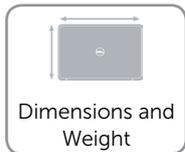
Specifications

Storage

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive
Optical drive	One 9.5 mm DVD+/-RW drive

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

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Media-Card Reader

Display

Camera

Stand

Power Adapter

Computer Environment
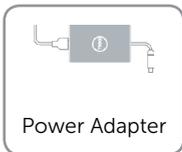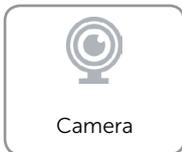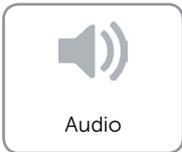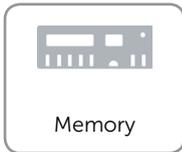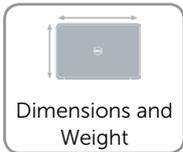
Specifications

Media-Card Reader

Type	One 4-in-1 slot
Cards supported	• SD Card • MultiMediaCard (MMC) • SD Extended Capacity (SDXC) card • SD High-Capacity (SDHC) card
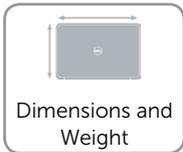
Dimensions and Weight
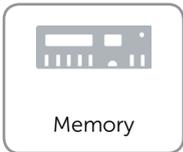
System Information

Memory

Ports and Connectors

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Media-Card Reader
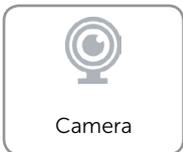
Display

Camera

Stand
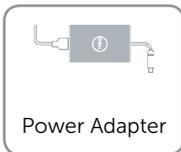
Power Adapter

Computer Environment

Specifications

Display

Type	19.5-in HD non-touchscreen
Resolution (maximum)	1600 x 900
Dimensions:	
Height	236.34 mm (9.30 in)
Width	433.92 mm (17.08 in)
Diagonal	495.30 mm (19.50 in)
Refresh rate	60 Hz
Pixel pitch	0.2712 mm x 0.2626 mm
Controls	Brightness increase and decrease buttons on the display

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

Media-Card Reader | Display | Camera | Stand | Power Adapter | Computer Environment
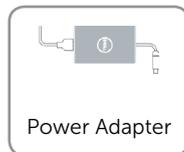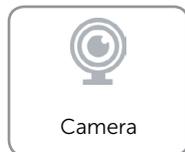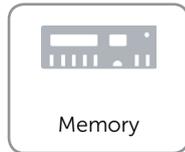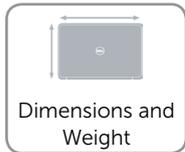
Specifications

Camera

Resolution:	
Still image	0.92 megapixels
Video	1280 x 720 at 30 fps (maximum)
Diagonal viewing angle	74.60 degrees

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

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Computer Environment
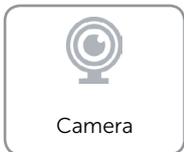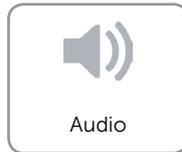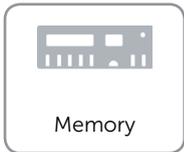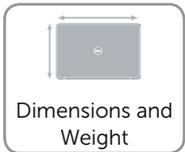
Stand

Width	204.97 mm (8.07 in)
Depth	183.18 mm (7.21 in)

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

Media-Card Reader | Display | Camera | Stand | Power Adapter | Computer Environment
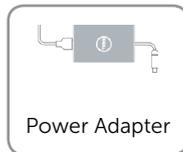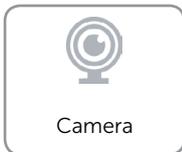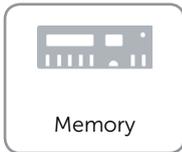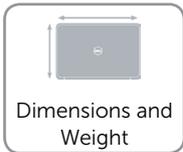
Specifications

Power Adapter

Type	90 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	1.50 A
Output current	4.62 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)

Dimensions and Weight	System Information	Memory	Ports and Connectors	Communications	Video	Audio	Storage
Media-Card Reader	Display	Camera	Stand	Power Adapter	Computer Environment		
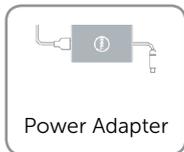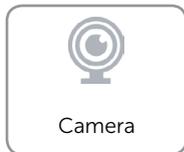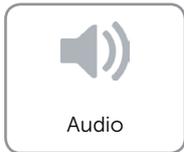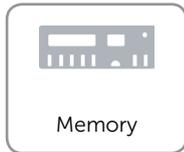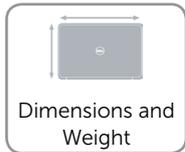
Specifications

Computer Environment

	Operating	Storage
Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
Temperature range	0°C to 40°C (32°F to 104°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)*	0.66 GRMS	1.30 GRMS
Shock (maximum)†	110 G	160 G
Altitude (maximum)	−15.2 m to 3048 m (−50 ft to 10,000 ft)	−15.2 m to 10,668 m (−50 ft to 35,000 ft)

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

† Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage.

Dimensions and Weight

System Information

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