



# Inspiron 20

## 3000 Series



[Views](#)

[Specifications](#)

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2016 - 01 Rev. A00

Regulatory model: W15B | Type: W15B002

Computer model: Inspiron 20-3052

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



Front



Left



Right

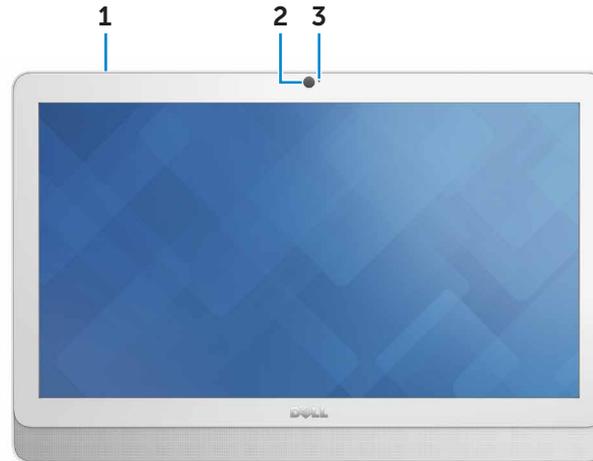


Back



Tilt

## Front



- 1 Microphone (for touch-screen model)**  
Provides digital sound input for audio recording, voice calls, and so on.

- 2 Camera**  
Allows you to video chat, capture photos, and record videos.

- 3 Camera-status light**  
Turns on when the camera is in use.



Front



Left



Right

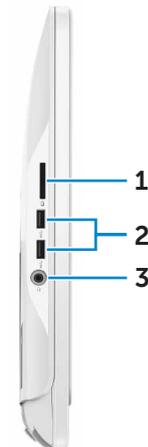


Back



Tilt

## Left



**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 headset (headphone and microphone combo).



Front



Left



Right



Back



Tilt

## Right



### 1 Display-brightness control buttons

Press to increase or decrease the display brightness.

### 2 Screen-off button

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

### 3 Power button

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

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

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

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



Front



Left



Right

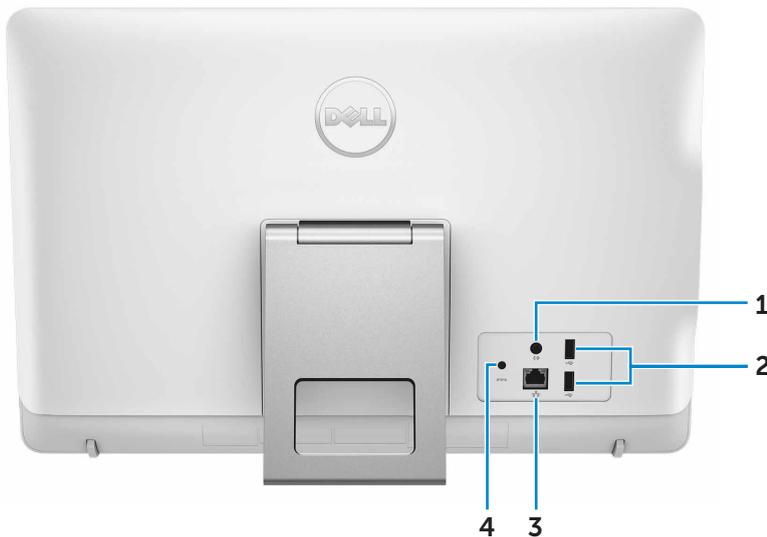


Back



Tilt

## Back



### 1 Audio-out port

Connect audio-output devices such as speakers and amplifiers.

### 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 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.

### 4 Power-adaptor port

Connect a power adapter to provide power to your computer.



Front

## Easel stand



Left



Right



Back



Tilt



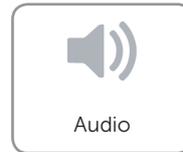
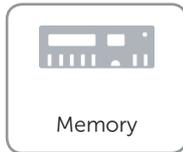
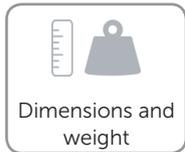


# Specifications

## Dimensions and weight

Height	317.64 mm (12.51 in)
Width	480.52 mm (18.92 in)
Depth	33.12 mm (1.30 in)
Weight without stand (maximum)	4.47 kg (9.85 lb)

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





# Specifications

## System information

Computer model	Inspiron 20-3052
Processor	Intel Pentium Quad Core
Chipset	Integrated in processor



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Battery



Power adapter



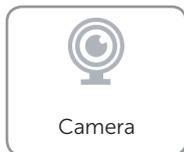
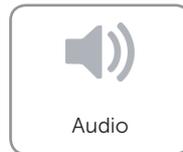
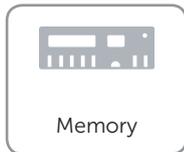
Computer environment



# Specifications

## Memory

Slots	One SODIMM slot
Type	DDR3L
Speed	Up to 1600 MHz
Configurations supported	4 GB and 8 GB





# Specifications

## Ports and connectors

### External:

- |             |  |
|-------------|--|
| Network     | One RJ45 port  |
| USB         | <ul style="list-style-type: none"><li>• Two USB 2.0 ports</li><li>• Two USB 3.0 ports</li></ul>      |
| Audio/Video | <ul style="list-style-type: none"><li>• One headset port</li><li>• One audio line-out port</li></ul> |

### Internal:

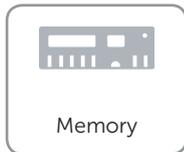
- |           |   |
|-----------|---|
| NGFF card | One NGFF card slot for WLAN and Bluetooth |
|-----------|---|



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



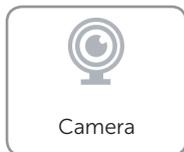
Storage



Media-card reader



Display



Camera



Stand



Battery



Power adapter



Computer environment



# Specifications

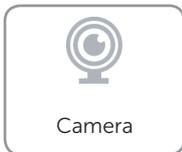
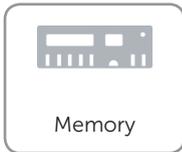
## Communications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11ac
- Wi-Fi 802.11b/g/n
- Bluetooth 4.0





# Specifications

## Video

Controller	Integrated in processor
Memory	Shared system memory



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Battery



Power adapter



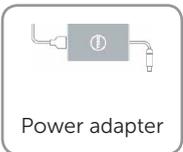
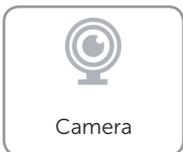
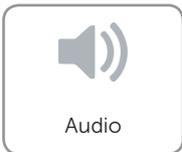
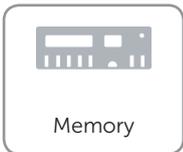
Computer environment



# Specifications

## Audio

Controller	Realtek ALC3661 Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital-array microphones
Volume controls	Program menus

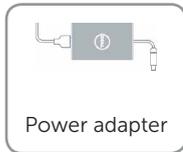
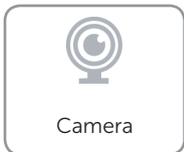
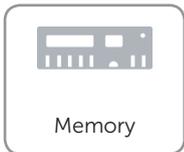




# Specifications

## Storage

Interface	SATA 6 Gbps for hard drive
Hard drive	One 2.5-inch drive

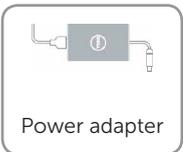
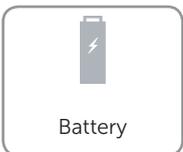
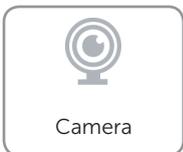
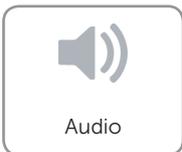
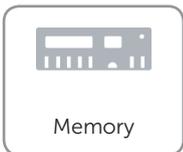




# Specifications

## Media-card reader

Type	One 4-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD card</li><li>• MultiMediaCard (MMC)</li><li>• SD Extended Capacity (SDXC) card</li><li>• SD High Capacity (SDHC) card</li></ul>

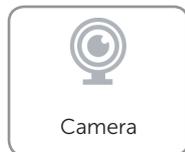
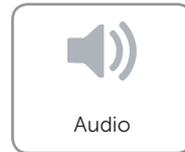
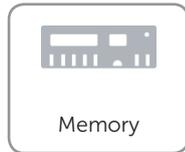




# Specifications

## Display

Type	19.5-inch HD+ touch screen
Resolution (maximum)	1600 x 900
Dimensions:	
Height	263 mm (10.35 in)
Width	452 mm (17.80 in)
Diagonal	495.30 mm (19.50 in)
Refresh rate	60 Hz
Pixel pitch	0.2745 mm x 0.2745 mm
Controls	Brightness can be controlled through the display-brightness control buttons





# Specifications

## Camera

### Resolution:

Still image 0.92 megapixels

Video 1280 x 720 at 30 fps (maximum)

Diagonal viewing angle 74 degrees



Dimensions and weight



System information



Memory



Ports and connectors



Communications



Video



Audio



Storage



Media-card reader



Display



Camera



Stand



Battery



Power adapter



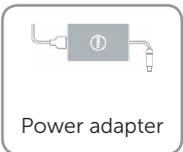
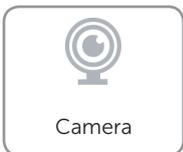
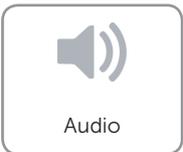
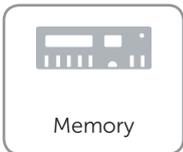
Computer environment



# Specifications

## Stand

Height	174.80 mm (6.88 in)
Width	120 mm (4.72 in)
Depth	22.48 mm (0.89 in)
Weight	0.56 kg (1.23 lb)

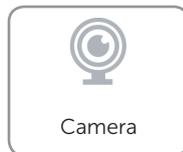
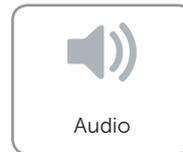
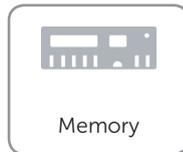




# Specifications

## Battery

Type	4-cell prismatic 58 WHr
Dimensions:	
Height	14.85 mm (0.58 in)
Width	105.25 mm (4.14 in)
Depth	123.25 mm (4.85 in)
Weight (maximum)	0.32 kg (0.71 lb)
Voltage	14.8 VDC
Charging time (approximate)	4 hours (when the computer is off)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	-40°C to 65°C (-40°F to 149°F)
Coin-cell battery	CR2032

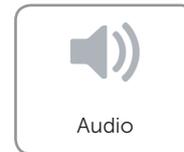
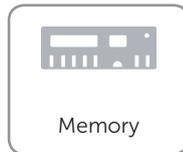




# Specifications

## Power adapter

Type	45 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.30 A
Output current (maximum)	2.31 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)





# Specifications

## Computer environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	<b>Operating</b>	<b>Storage</b>
Temperature range	0°C to 35°C (32°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)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G <sup>†</sup>	160 G <sup>‡</sup>
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 using a 2 ms half-sine pulse when the hard drive is in use.

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

