



# Inspiron 20

## 3000 Series



**Views**

**Specifications**

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2015 - 05 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

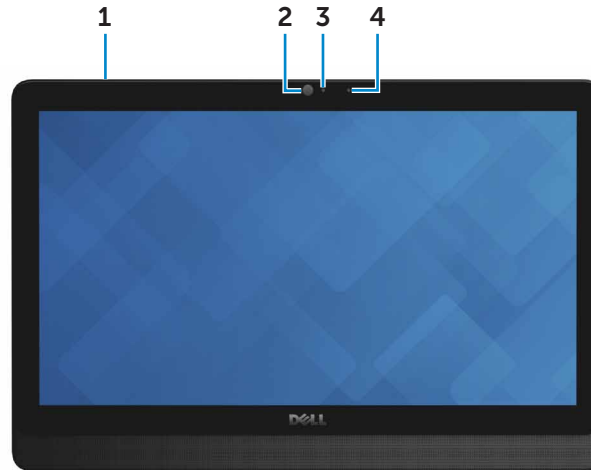


Back



Tilt

## Front



**1 Microphone (for touch-screen model)**

Provides high-quality 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.

**4 Microphone (for non-touch screen model)**

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



# Views



Front



Left



Right

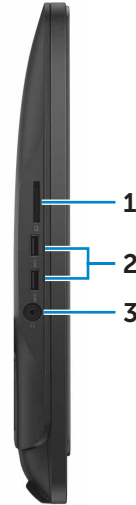


Back



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

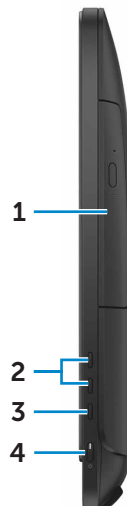


Back



Tilt

## Right



### 1 Optical drive (optional)

Reads from and writes to CDs and DVDs.

### 2 Display-brightness control buttons

Press to increase or decrease the display brightness.

### 3 Screen-off button

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

### 4 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 [dell.com/support](http://dell.com/support).



Front



Left



Right

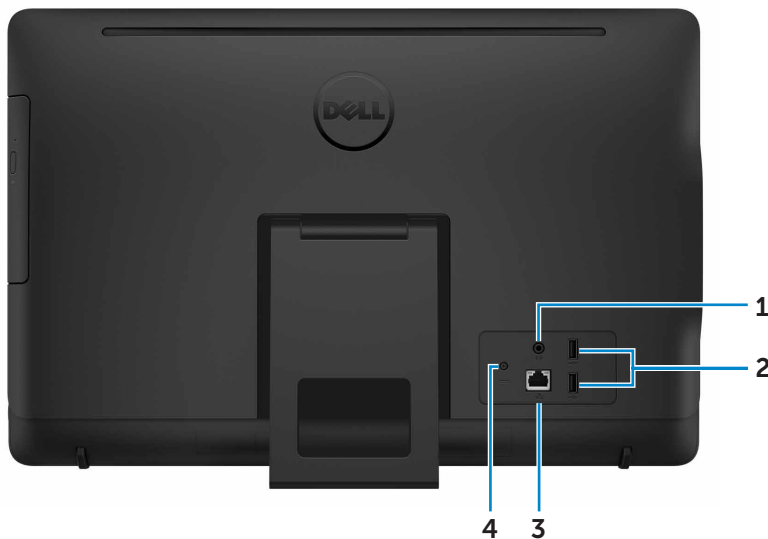


Back



Tilt

## Back



### 1 Audio-out port

Connect audio-output devices such as speakers, amplifiers, 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 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.



# Views



Front



Left



Right

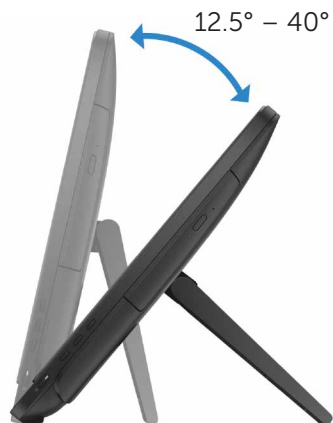


Back



Tilt

## Easel stand



## Pedestal stand





# Specifications

## Dimensions and weight

|        |                      |
|--------|----------------------|
| Height | 317.64 mm (12.51 in) |
| Width  | 480.52 mm (18.92 in) |

### Depth:

|                  |                    |
|------------------|--------------------|
| Touch screen     | 33.12 mm (1.30 in) |
| Non-touch screen | 34.22 mm (1.35 in) |

### Weight without stand (maximum):

|                  |                   |
|------------------|-------------------|
| Touch screen     | 4.14 kg (9.13 lb) |
| Non-touch screen | 3.36 kg (7.41 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 20-3052                                                                                        |
| Processor      | <ul style="list-style-type: none"><li>Intel Celeron Quad Core</li><li>Intel Pentium Quad Core</li></ul> |
| Chipset        | Integrated in processor                                                                                 |



Dimensions and weight



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# Specifications

## Memory

|                          |                      |
|--------------------------|----------------------|
| Slots                    | One SODIMM slot      |
| Type                     | DDR3L                |
| Speed                    | Up to 1600 MHz       |
| Configurations supported | 2 GB, 4 GB, and 8 GB |



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# 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 |
|-----------|-------------------------------------------|



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# Specifications

## Communications

|          |                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------|
| Ethernet | 10/100/1000 Mbps Ethernet controller integrated on system board                                                      |
| Wireless | <ul style="list-style-type: none"><li>• Wi-Fi 802.11ac</li><li>• Wi-Fi 802.11b/g/n</li><li>• Bluetooth 4.0</li></ul> |



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# Specifications

## Video

|             |                         |
|-------------|-------------------------|
| Controller: |                         |
| Integrated  | Integrated in processor |
| Discrete    | Radeon R5 A315          |
| Memory:     |                         |
| Integrated  | Shared system memory    |
| Discrete    | 2 GB DDR3L              |



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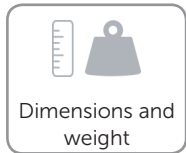
Computer environment



# Specifications

## Audio

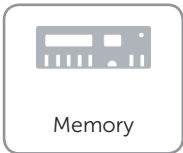
|                 |                                 |
|-----------------|---------------------------------|
| Controller      | Realtek ALC3661 Waves MaxxAudio |
| Speakers        | Two                             |
| Speaker output: |                                 |
| Average         | 2 W       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



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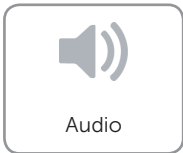
Ports and  
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Video



Audio



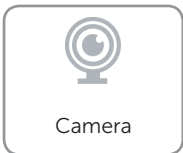
Storage



Media-card  
reader



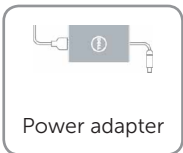
Display



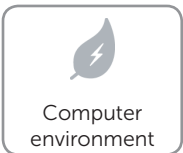
Camera



Stand



Power adapter



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# Specifications

## Storage

### Interface

- SATA 3 Gbps for optical drive
- SATA 6 Gbps for hard drive

### Hard drive

One 2.5-inch drive

### Optical drive

One 9.5-mm DVD+/-RW drive (optional)



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# 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> |



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# Specifications

## Display

|                      |                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Type                 | <ul style="list-style-type: none"><li>• 19.5-inch HD+ touch screen</li><li>• 19.5-inch HD+ non-touch screen</li></ul> |
| 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                                           |



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# Specifications

## Camera

|                        |                                |
|------------------------|--------------------------------|
| Resolution:            |                                |
| Still image            | 0.92 megapixels                |
| Video                  | 1280 x 720 at 30 fps (maximum) |
| Diagonal viewing angle | 74 degrees                     |



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# Specifications

## Stand

|        | Easel               | Pedestal            |
|--------|---------------------|---------------------|
| Height | 174.80 mm (6.88 in) | 184.17 mm (7.25 in) |
| Width  | 120 mm (4.72 in)    | 204.98 mm (8.07 in) |
| Depth  | 22.48 mm (0.89 in)  | 13.90 mm (0.55 in)  |
| Weight | 0.56 kg (1.23 lb)   | 1.50 kg (3.31 lb)   |



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# Specifications

## Power adapter

|                          |                                                                       |
|--------------------------|-----------------------------------------------------------------------|
| Type                     | <ul style="list-style-type: none"><li>• 45 W</li><li>• 65 W</li></ul> |
| Input voltage            | 100 VAC–240 VAC                                                       |
| Input frequency          | 50 Hz–60 Hz                                                           |
| Input current (maximum)  | 1.30 A/1.70 A                                                         |
| Output current (maximum) | 2.31 A/3.34 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

|                             |                                            |                                              |
|-----------------------------|--------------------------------------------|----------------------------------------------|
| 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†                                     | 160 G‡                                       |
| Altitude (maximum)          | –15.2 m to 3048 m<br>(–50 ft to 10,000 ft) | –15.2 m to 10,668 m<br>(–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.



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