Inspiron 20



Views

Tilt

Specifications

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2014 - 03 Rev. A00

Regulatory model: W09B | Type: W09B001

Computer model: Inspiron 20 Model 3048

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

Views

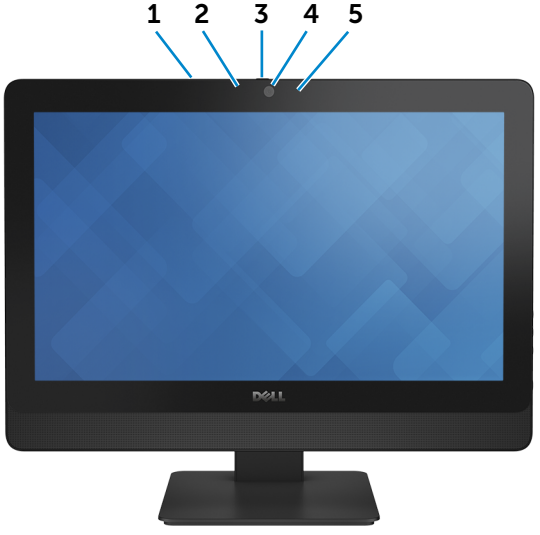

Front


Left


Right


Back

Front



1 Microphone (touchscreen computer only)
Provides high-quality digital sound input for audio recording, voice calls, and so on.

2 Microphone (non-touchscreen computer only)
Provides high-quality digital sound input for audio recording, voice calls, and so on.

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

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

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

Views

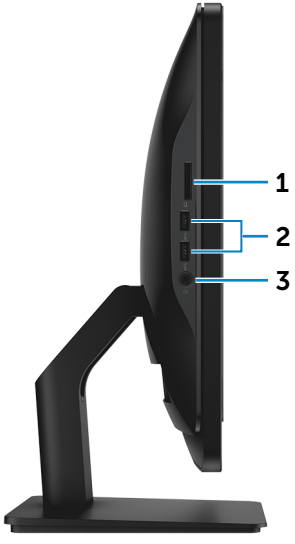

Front


Left


Right


Back

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 headphone and microphone combo (headset).

Views

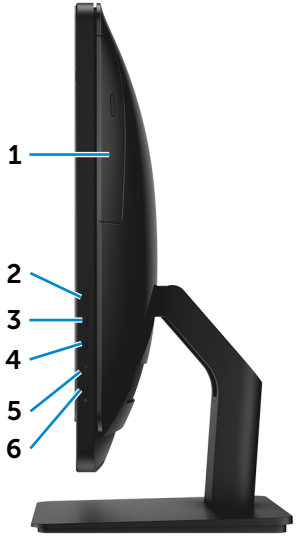

Front


Left


Right


Back

Right



1 Optical drive

Reads from and writes to CDs and DVDs.

2 Display-brightness increase button

Press to increase the display brightness.

3 Display-brightness decrease button

Press to decrease the display brightness.

4 Display off/on button

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

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


Front


Left


Right


Back

Back



1 Power-adapter port

Connect a power adapter to provide power to your computer.

2 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.

3 HDMI port

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

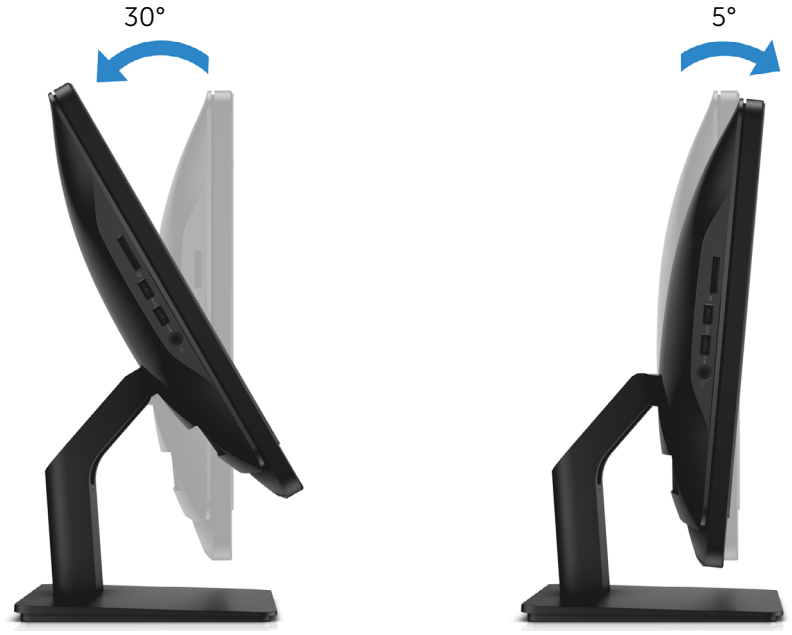
4 Audio-out port

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

5 USB 2.0 ports (4)

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

Tilt



Specifications

Dimensions and Weight

Height	385.58 mm (15.18 in)	
Width	489.92 mm (19.29 in)	
Depth	204.97 mm (8.07 in)	
Weight (maximum):	**Touchscreen**	**Non-touchscreen**
Without stand	5.22 kg (11.51 lb)	4.53 kg (9.99 lb)
With stand	6.72 kg (14.82 lb)	6.03 kg (13.29 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

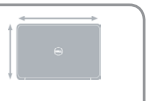

Power Adapter


Computer Environment

Specifications

System Information

Computer model	Inspiron 20 Model 3048
Processor	• 4th Generation Intel Core i3 • 4th Generation Intel Pentium Dual Core • 4th Generation Intel Celeron Dual Core
System chipset	Intel H81 Chipset


Dimensions and Weight


System Information


Memory


Ports and Connectors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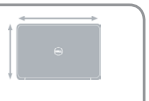
Computer Environment

Specifications

Memory

Slots	Two SODIMM slots
Type	Dual-channel DDR3
Speed	Up to 1600 MHz
Configurations supported	2 GB, 4 GB, 8 GB, and 16 GB


Dimensions and Weight


System Information


Memory


Ports and Connectors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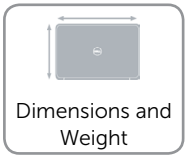
Power Adapter


Computer Environment

Specifications

Ports and Connectors

External:	
Network	One RJ45 port
USB	• Four USB 2.0 ports • Two USB 3.0 ports
Audio/Video	• One headset port • One audio-out port • One HDMI-out port
Internal:	
M.2 card	One M.2 card slot for WLAN and Bluetooth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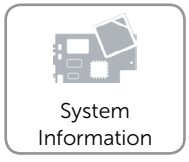
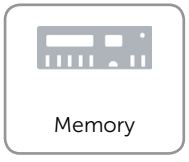
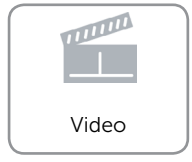

System Information

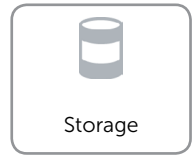

Memory

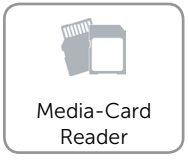

Ports and Connectors

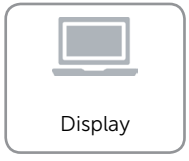

Communications

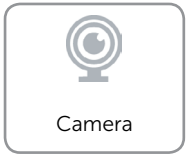

Video

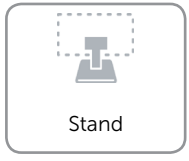

Audio

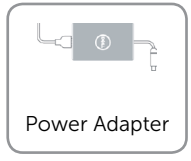

Storage


Media-Card Reader


Display


Camera


Stand

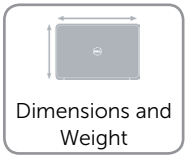

Power Adapter

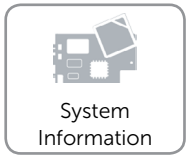

Computer Environment

Specifications

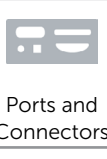
Communications

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


Dimensions and Weight


System Information


Memory


Ports and Connectors


Communications


Video


Audio

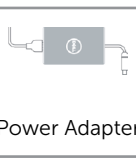

Storage


Media-Card Reader


Display


Camera


Stand

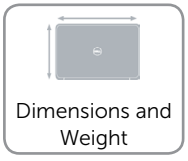

Power Adapter

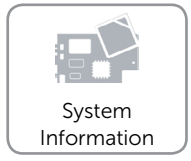

Computer Environment

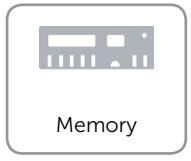
Specifications

Video

Controller:	
Integrated	• Intel HD Graphics 4400 for Intel Core i3 • Intel HD Graphics for Intel Pentium Dual Core/Intel Celeron Dual Core
Discrete	AMD Radeon R5 A240
Memory:	
Integrated	Shared system memory
Discrete	1 GB DDR3

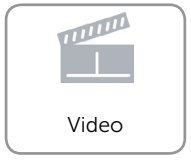

Dimensions and Weight


System Information

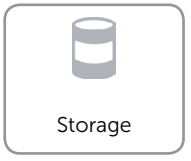

Memory


Ports and Connectors

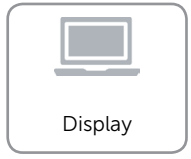

Communications


Video

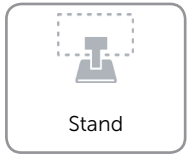

Audio

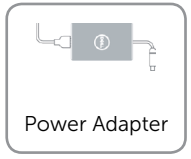

Storage


Media-Card Reader


Display


Camera


Stand


Power Adapter


Computer Environment

Specifications

Audio

Controller	Realtek ALC3661 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital microphone in camera assembly
Volume controls	Program menus


Dimensions and Weight


System Information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Media-Card Reader


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Stand

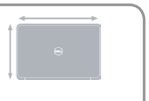

Power Adapter


Computer Environment

Specifications

Storage

Interface	• SATA 3 Gbps for optical drive • SATA 6 Gbps for hard drive
Hard drive	One 2.5-in drive
Optical drive	One 9.5-mm DVD+/-RW drive


Dimensions and Weight


System Information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Media-Card Reader


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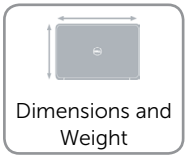
Power Adapter

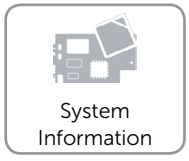

Computer Environment

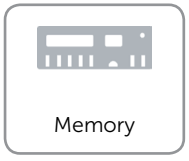
Specifications

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

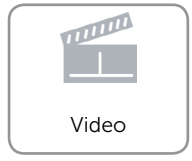

Dimensions and Weight


System Information

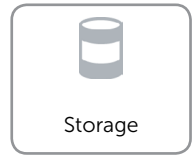

Memory


Ports and Connectors

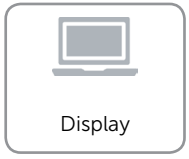

Communications


Video

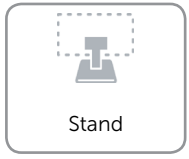

Audio

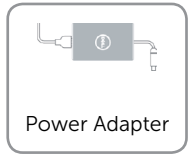

Storage


Media-Card Reader


Display


Camera


Stand


Power Adapter


Computer Environment

Specifications

Display

Type	• 19.5-in HD+ touchscreen • 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 can be controlled through the display-brightness increase/decrease button


Dimensions and Weight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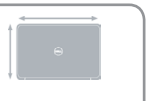
Computer Environment

Specifications

Camera

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


Dimensions and Weight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Specifications

Stand

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


Dimensions and Weight


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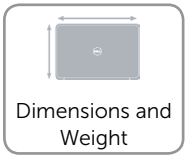
Power Adapter


Computer Environment

Specifications

Power Adapter

Type	• 130 W • 150 W (only for AMD Radeon R5 A240)
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	2.50 A
Output current:	
130 W	6.70 A
150 W	7.70 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating:	
130 W	0°C to 40°C (32°F to 104°F)
150 W	0°C to 35°C (32°F to 95°F)
Storage	–40°C to 70°C (–40°F to 158°F)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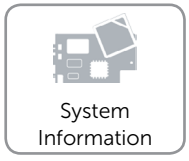
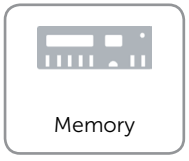
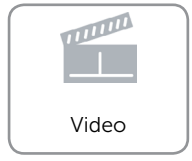

System Information

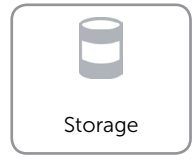

Memory

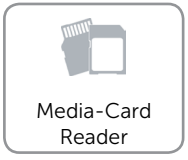

Ports and Connectors

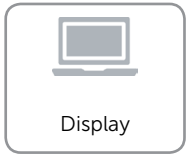

Communications


Video

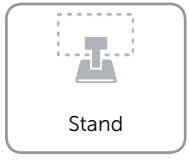

Audio

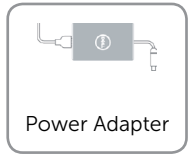

Storage


Media-Card Reader


Display


Camera


Stand


Power Adapter


Computer Environment

Specifications

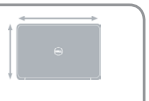
Computer Environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	Operating	**Storage**
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 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.


Dimensions and Weight


System Information


Memory


Ports and Connectors


Communications


Video


Audio

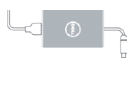

Storage


Media-Card Reader


Display


Camera


Stand


Power Adapter


Computer Environment