Inspiron 14

3000 Series

Views

Specifications

2014 - 09   Rev. A01

Regulatory model: P53G | Type: P53G001

Computer model: Inspiron 14-3442

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

Views

Front

1

1   Power and battery-status light

Indicates the power state and battery state of the computer.

White light	Battery is getting charged.
Amber	Battery is low or critical.
Off	• Computer is plugged in and the battery is fully charged. • Computer is running on battery and battery has more than 10% charge.

Views

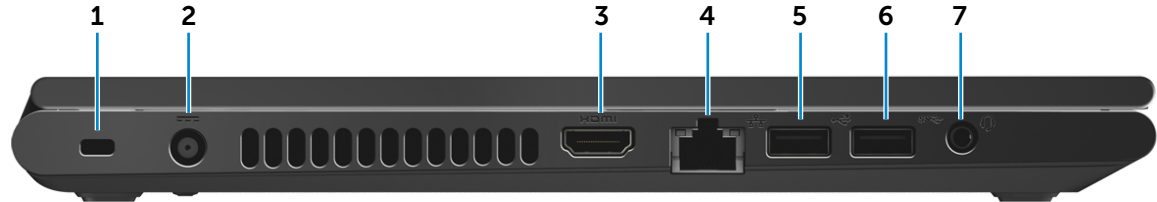## Left

Front

Left

Right

Base

Display

1   **Security-cable slot**

Connect a security cable to prevent unauthorized movement of your computer.

2   **Power-adapter port**

Connect a power adapter to provide power to your computer and charge the battery.

3   **HDMI port**

Connect a TV or another HDMI-in enabled device. Provides video and audio output.

4   **Network port**

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

5   **USB 2.0 port**

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

6   **USB 3.0 port**

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

7   **Headset port**

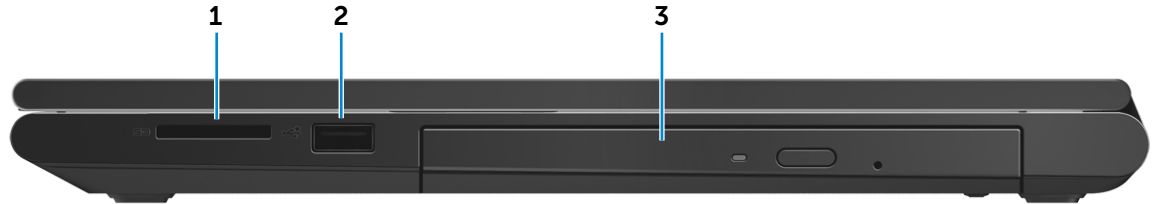Connect a headphone, a microphone, or a headphone and microphone combo (headset).

Front

Left

Right

Base

Display

Right

1   2   3

1   **Media-card reader**

Reads from and writes to media cards.

2   **USB 2.0 port**

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

3   **Optical drive**
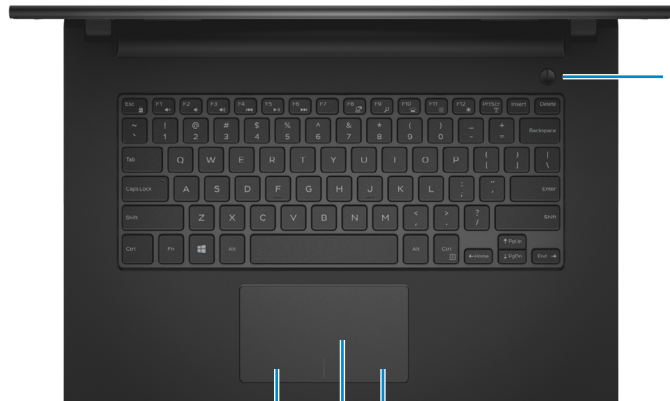
Reads from and writes to CDs and DVDs.

Front

Left

Right

Base

Display

Base

1

4 3 2

1 Power button

Press to turn on the computer if it is turned off or in Sleep state.

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

Press and hold for 10 seconds to force shut-down the computer.

NOTE: You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at **dell.com/support**.

2 Right-click area

Press to right click.

3 Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click.

4 Left-click area

Press to left click.

Views

Front

Left

Right

Base

Display

Display

1   **2**   **3**

1   **Microphone**

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.

Specifications

Dimensions and Weight

Height:	
Touch	26.6 mm (1.04 in)
Non-touch	25.4 mm (1 in)
Width	346 mm (13.62 in)
Depth	246 mm (9.68 in)
Weight (maximum):	
Touch	2.11 kg (4.65 lb)
Non-touch	2.01 kg (4.43 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.
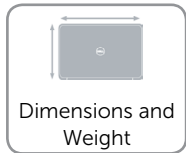
Dimensions and Weight	System Information	Memory	Ports and Connectors	Communications	Video	Audio	Storage
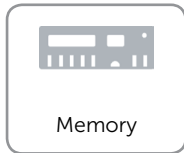
Media-Card Reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
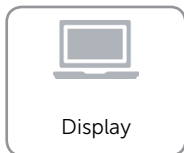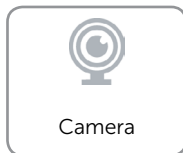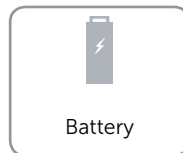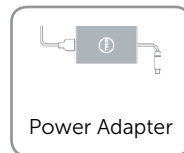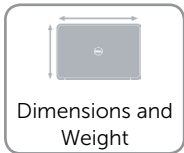
Specifications

System Information

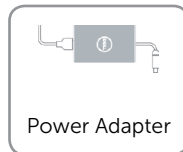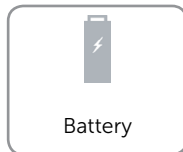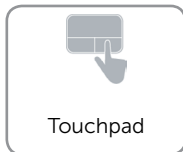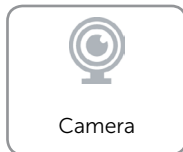|	
Computer model	Inspiron 14-3442
Processor	• 4th Generation Intel Core i3 Processor (U-Processor Line) • 4th Generation Intel Core i5 Processor (U-Processor Line) • 4th Generation Intel Core i7 Processor (U-Processor Line) • Intel Pentium Dual Core • Intel Celeron
Chipset	Integrated in processor

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touchpad

Battery

Power Adapter

Computer Environment
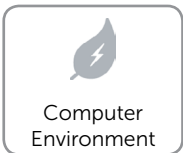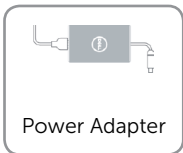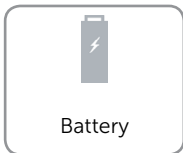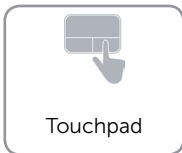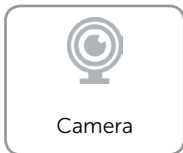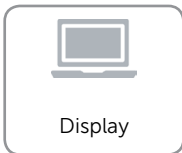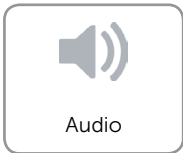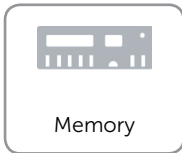
Memory

Slot	One SODIMM slot
Type	DDR3L
Speed	1600 MHz
Configurations supported	2 GB, 4 GB, and 8 GB

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touchpad

Battery

Power Adapter

Computer Environment
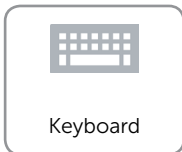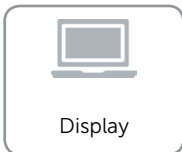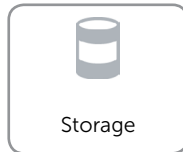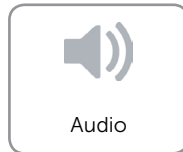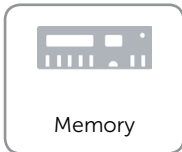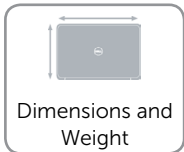
Specifications

Ports and Connectors

External:	
Network	One RJ45 port
USB	• One USB 3.0 port • Two USB 2.0 ports
Audio/video	• One HDMI port • One headphone and microphone combo (headset) port
Internal:	
Mini-card	One mini-card slot for Wi-Fi and Bluetooth combo card

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touchpad

Battery

Power Adapter

Computer Environment
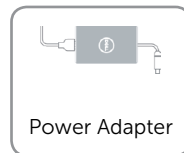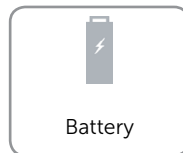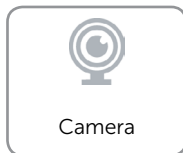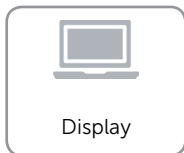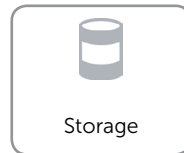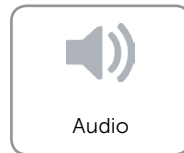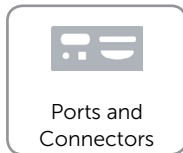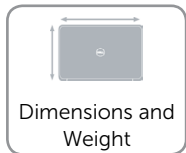
Specifications

Communications

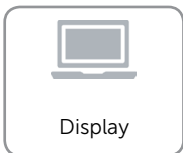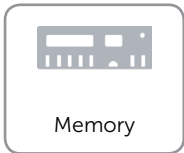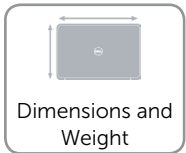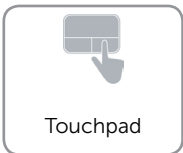|	
Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	• 802.11 b/g/n • Bluetooth 4.0

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touchpad

Battery
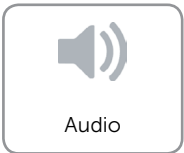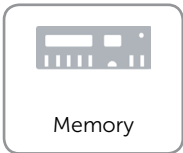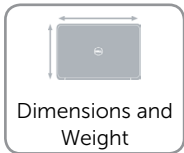
Power Adapter

Computer Environment
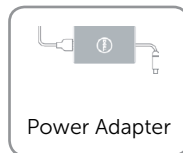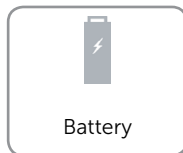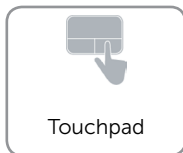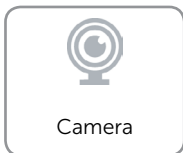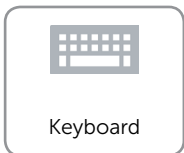
Specifications

Video

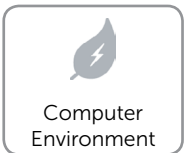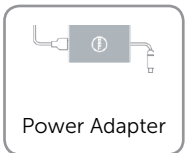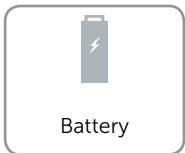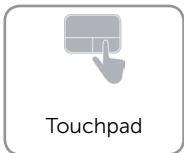| Controller:	
Integrated	• Intel HD Graphics 4400 — Intel Core i3/i5/i7 • Intel HD Graphics — Intel Pentium Dual Core/Celeron
Discrete	nVidia GeForce 820M
Memory:	
Integrated	Shared system memory
Discrete	Up to 2 GB DDR3L

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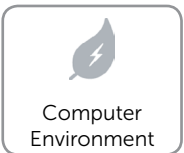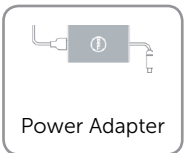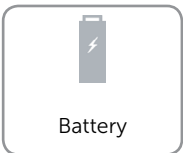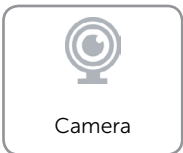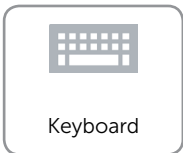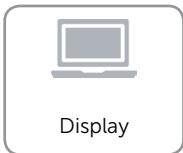
Audio

Controller	Realtek ALC3234 High-Definition Audio Codec with Waves MaxxAudio
Speakers	Two
Output:	
Average	2 watt
Peak	2.5 watt
Microphone	Digital microphone
Volume controls	Media-control shortcut keys

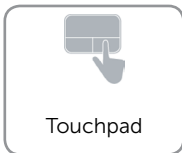|							
Dimensions and Weight	System Information	Memory	Ports and Connectors	Communications	Video	Audio	Storage
Media-Card Reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
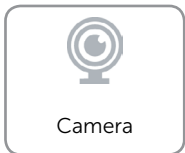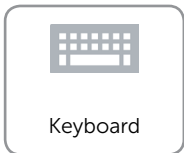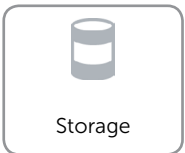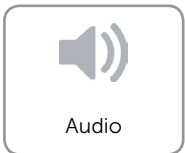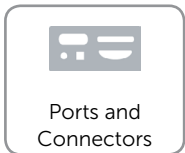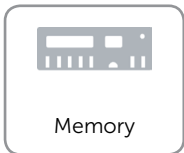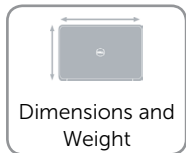
Specifications

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

Audio

Storage

Media-Card Reader

Display

Keyboard
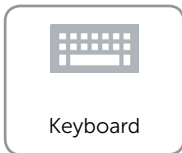
Camera

Touchpad

Battery

Power Adapter

Computer Environment
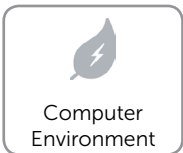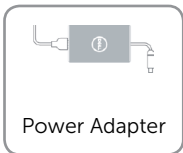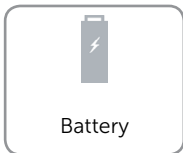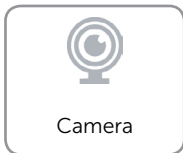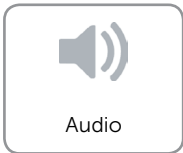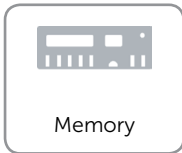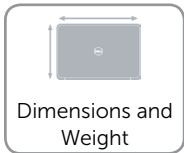
Media-card reader

Type	One 3-in-1 slot
Cards supported	• SD card • SD High-Capacity (SDHC) card • SD Extended Capacity (SDXC) card with Ultra High Speed (UHS)

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

Media-Card Reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
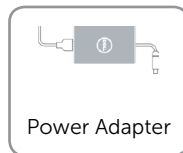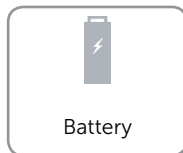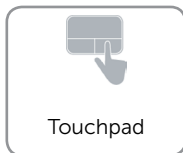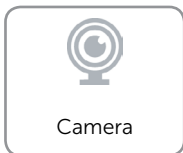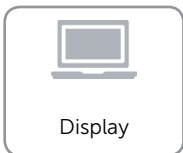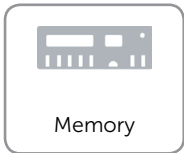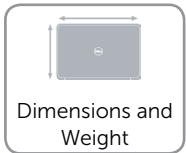
Specifications

Display

|	
Type	14.0-inch HD
Resolution (maximum)	1366 x 768
Dimensions:	
Height	205.6 mm (8.09 in)
Width	320.9 mm (12.63 in)
Diagonal	355.6 mm (14 in)
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 135 degrees
Pixel pitch	0.2265 mm
Controls	Brightness can be controlled using shortcut keys.

Dimensions and Weight
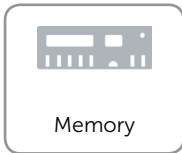
System Information

Memory

Ports and Connectors

Communications

Video
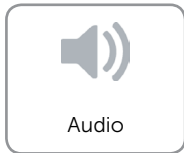
Audio

Storage

Media-Card Reader
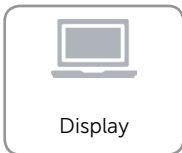
Display
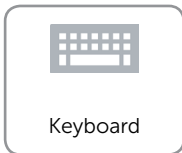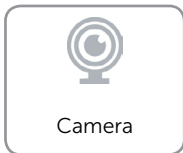
Keyboard

Camera
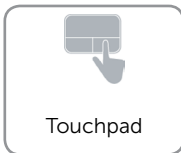
Touchpad

Battery

Power Adapter
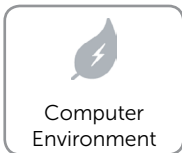
Computer Environment

Keyboard

Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key. **NOTE**: You can define the primary behavior of the shortcut keys by changing **Function Key Behavior** in System Setup.

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications
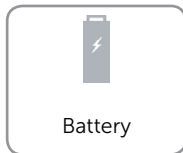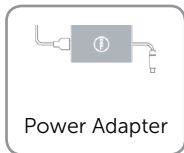
Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touchpad

Battery

Power Adapter

Computer Environment
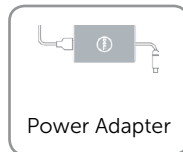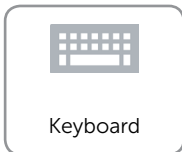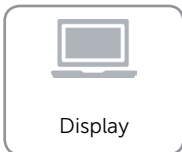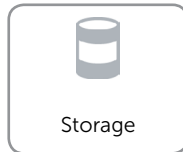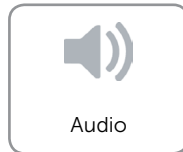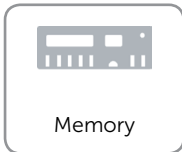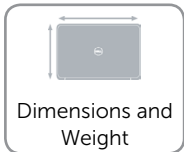
Specifications

Camera
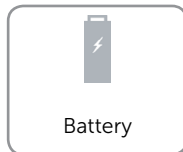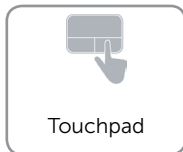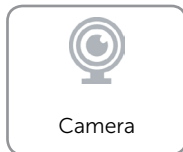
Resolution:	
Still image	0.92 megapixel
Video	1280 x 720 HD @ 30 FPS
Diagonal viewing angle	74 degrees

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

Media-Card Reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
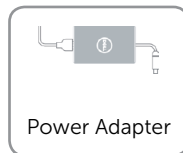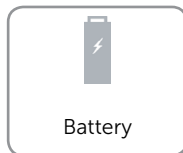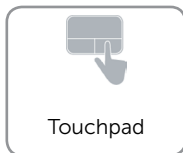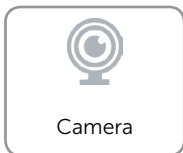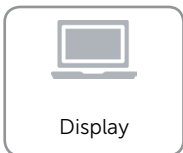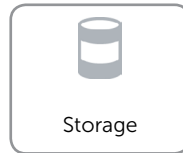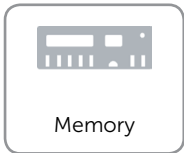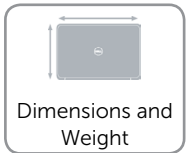
Specifications

Touchpad

Resolution:	
Horizontal	1207 dpi
Vertical	1702 dpi
Dimensions:	
Width	102.4 mm (4.03 in)
Height	57.4 mm (2.25 in)

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touchpad

Battery

Power Adapter

Computer Environment

Specifications

Battery

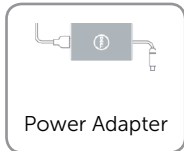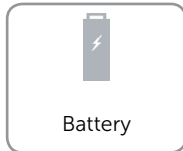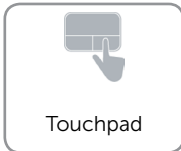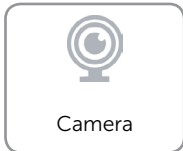|	
Type	4-cell "smart" lithium ion (40 WHr)
Dimensions:	
Width	272.40 mm (10.72 in)
Depth	46.30 mm (1.82 in)
Height	20.00 mm (0.79 in)
Weight (maximum)	0.26 kg (0.57 lb)
Voltage	14.80 VDC
Charging time when the computer is off (approximate)	4 hours
Operating time	Varies depending on operating conditions 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	CR-2032

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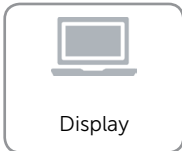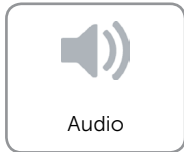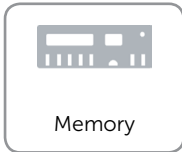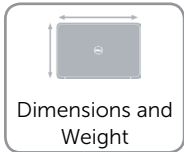
Specifications

Power Adapter

Type	65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.50 A/1.60 A/1.70 A/2.50 A
Output current (continuous)	3.34 A/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 | Keyboard | Camera | Touchpad | Battery | Power Adapter | Computer Environment
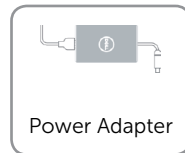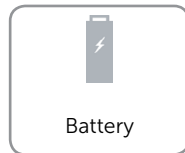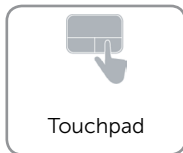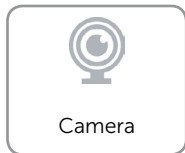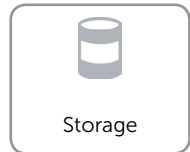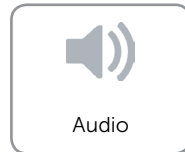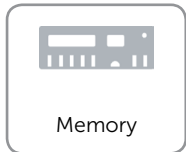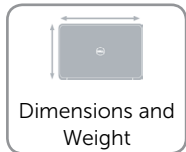
Specifications

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‡

* 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

Keyboard

Camera

Touchpad

Battery

Power Adapter

Computer Environment