Inspiron 17

5000 Series

Views

Specifications

2014 - 12   Rev. A02

Regulatory model: P26E | Type: P26E001

Computer model: Inspiron 17-5748/Inspiron 17-5749

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

Front

Left

Right

Base

Display

Front

1

1   Power and battery-status light

Indicates the power state and battery state of the computer.

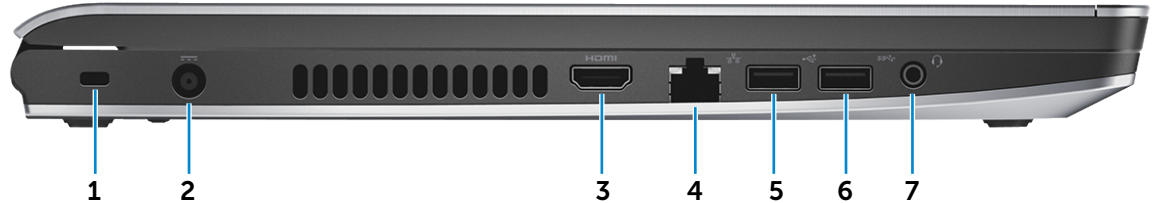|	
White	Battery is getting charged.
Amber	Battery is low or critical.
Off	• Computer is plugged in and the battery is fully charged. • Computer is running on battery and battery has more than 10% charge.

Views

Front

Left

Right

Base

Display

Left

1 2 3 4 5 6 7

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).

Views

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.

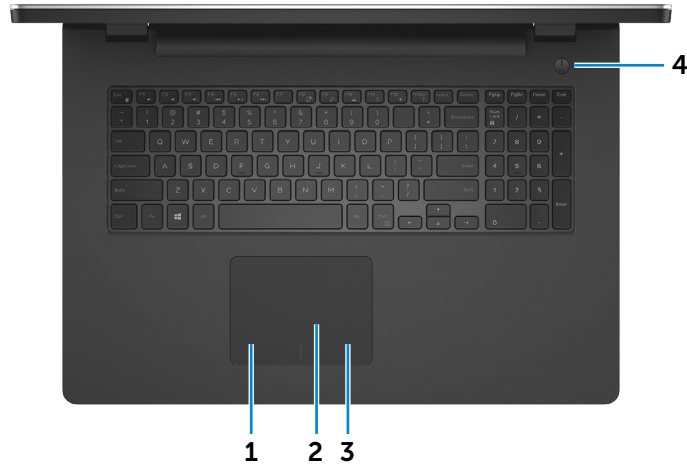### 3   Optical drive

Reads from and writes to CDs and DVDs.

Views

Base

Front

Left

Right

Base

Display

1   Left-click area

Press to left-click.

2   Touch pad

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

3   Right-click area

Press to right-click.

4   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 behaviour in Power Options. For more information, see *Me and My Dell* at **dell.com/support/manuals**.

Views

Front

Left

Right

Base

Display

Display
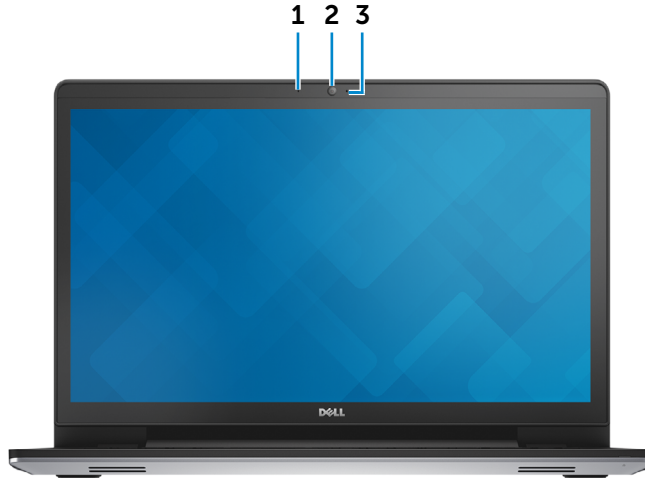
1   **Microphone**

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.

Dimensions and Weight

Height:	
Touch	29.60 mm (1.16 in)
Non touch	28.40 mm (1.12 in)
Width	414.30 mm (16.31 in)
Depth	285.70 mm (11.25 in)
Weight (maximum):	
Touch	3.30 kg (7.28 lb)
Non touch	3 kg (6.61 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.
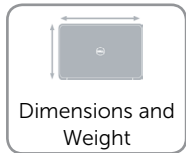
Dimensions and Weight	System Information	Memory	Ports and Connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
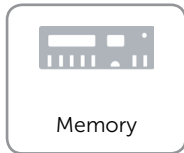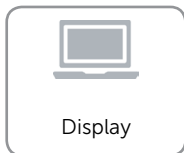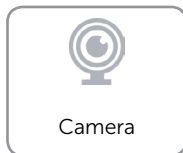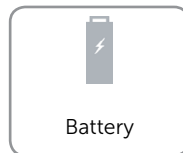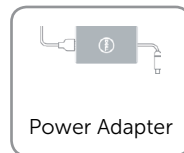
Specifications

System Information

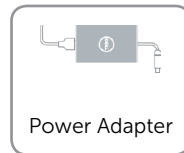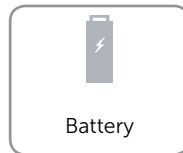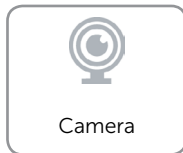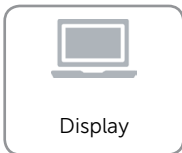| Computer model	**Inspiron 17-5748**	**Inspiron 17-5749**
Processor	• 4th Generation Intel Core i3 • 4th Generation Intel Core i5 • 4th Generation Intel Core i7 • Intel Mobile Celeron • Intel Pentium Dual Core	• 5th Generation Intel Core i3 ULV • 5th Generation Intel Core i5 ULV • 5th Generation Intel Core i7 ULV • Intel Mobile Celeron • Intel Pentium Dual Core

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
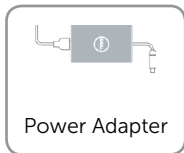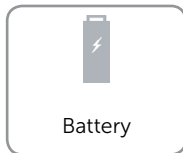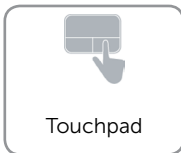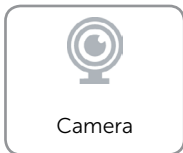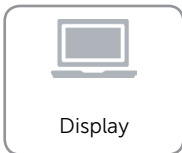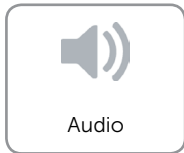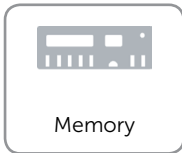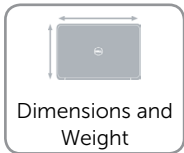
Memory

Slot	One SODIMM slot
Type	DDR3L
Speed	1600 MHz
Configurations supported	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
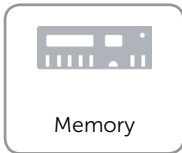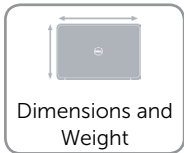
Specifications

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 headset port
Internal:	
Mini card	One half mini-card slot for Wi-Fi, Bluetooth combo, and Wireless Display (optional)

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

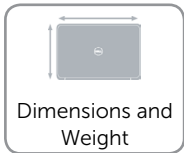| Media-card reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
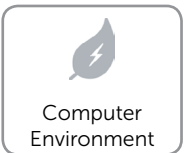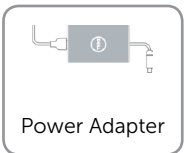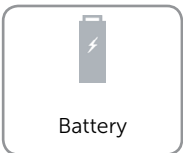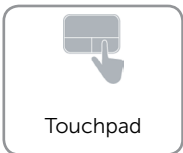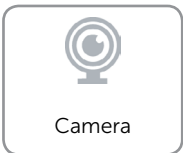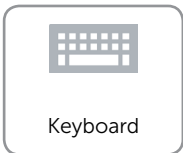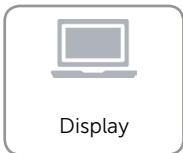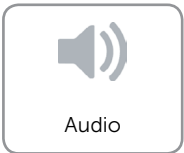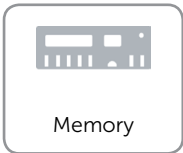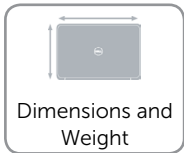
Specifications

Communications

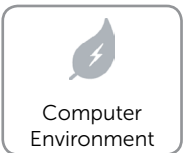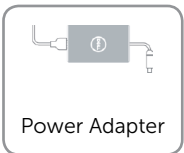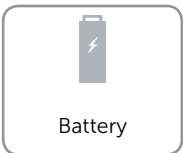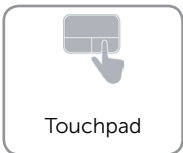| Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11b/g/n • Bluetooth 4.0 • Wireless display (optional)

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
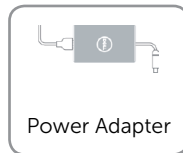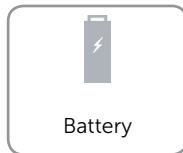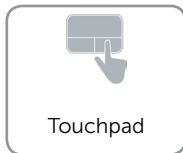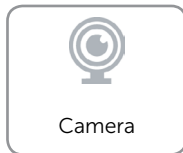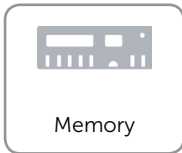
Specifications

Video

Controller:	
Integrated	Intel HD Graphics
Discrete	• nVidia GeForce 820M
	• nVidia GeForce 840M
Memory:	
Integrated	Shared system memory
Discrete	2 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
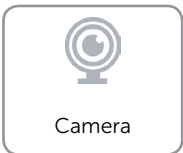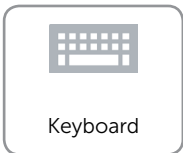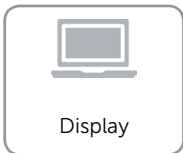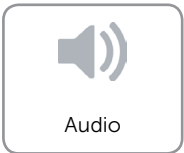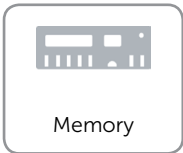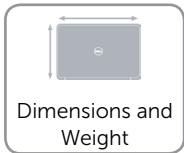
Audio

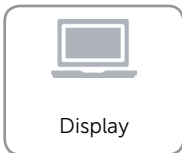|	
Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 Watt
Peak	2.5 Watt
Microphone	digital microphone
Volume controls	Media-control shortcut keys

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
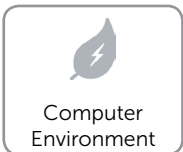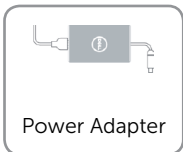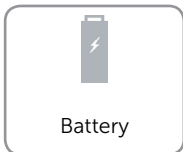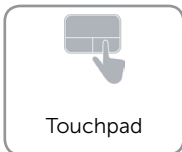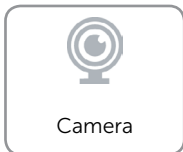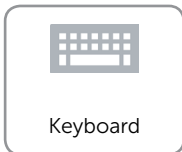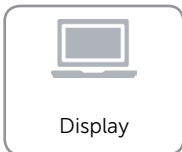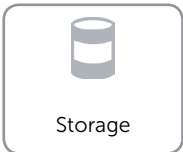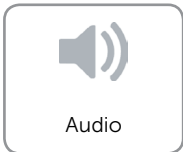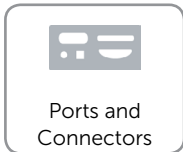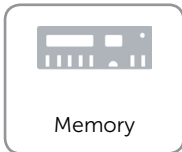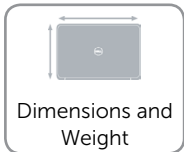
Specifications

Storage

	Hard drive	Optical drive
Interface	SATA 6 Gbps	3 Gbps
Dimension	One 2.5-inch 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
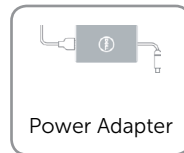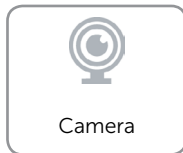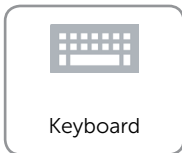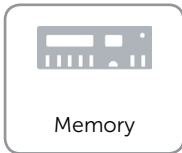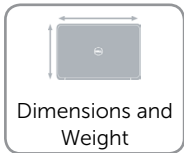
Media-card reader

Type	Single slot
Cards supported	SD card
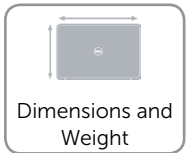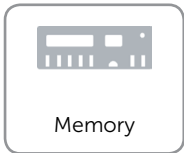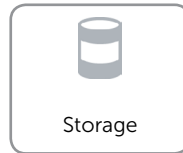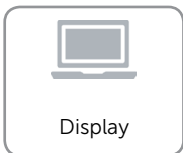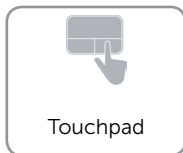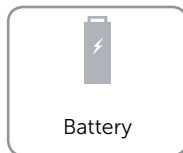
Specifications

Display

Type	• 17.3-inch full HD WLED • 17.3-inch HD+
Resolution (maximum):	
Touch	1920 x 1080
Non-touch	1600 x 900
Dimensions:	
Height	214.81 mm (8.46 in)
Width	381.89 mm (15.04 in)
Diagonal	439.42 mm (17.30 in)
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 135 degrees
Pixel pitch	0.1875 mm
Controls	Brightness can be controlled using shortcut keys.

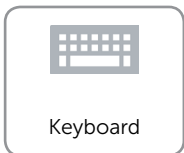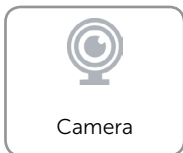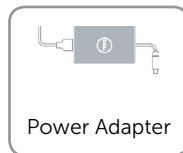| Dimensions and Weight	System Information	Memory	Ports and Connectors	Communications	Video	Audio	Storage

Media-card reader	Display	Keyboard	Camera	Touchpad	Battery	Power Adapter	Computer Environment
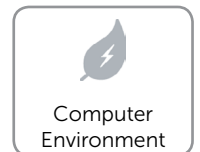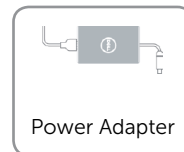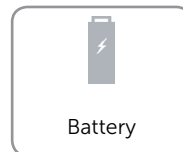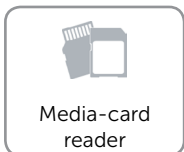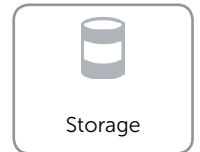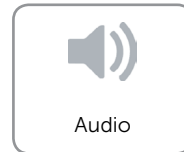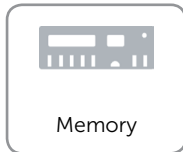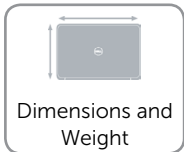
Specifications

Keyboard

Type	• Standard keyboard
	• Backlit 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 BIOS setup program.

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
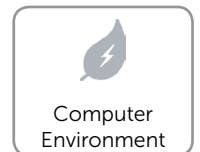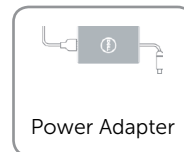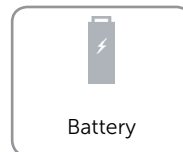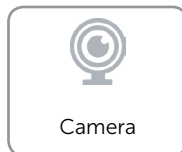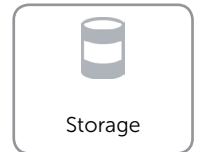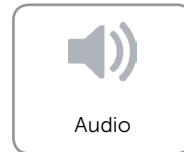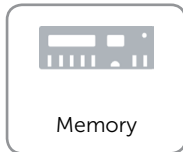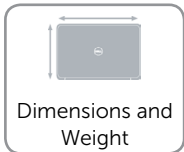
Camera

Resolution:	
Still image	0.92 megapixels
Video	1280 x 720 (HD) 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

Keyboard

Camera

Touchpad

Battery

Power Adapter

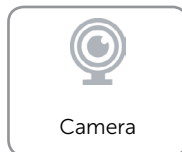Computer Environment
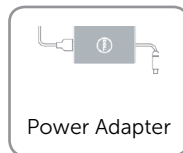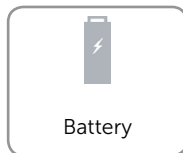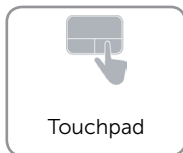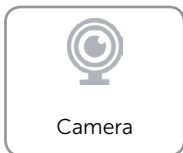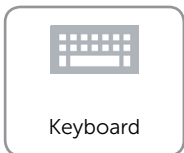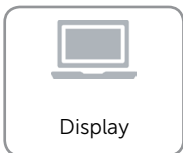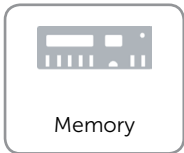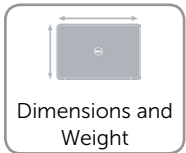
Touchpad

Resolution:	
Horizontal	1260 dpi
Vertical	1207 dpi
Dimensions:	
Width	105 mm (4.13 in)
Height	80 mm (3.15 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) • 6-cell "smart" lithium ion (65 WHr)	
	4 cell	**6 cell**
Dimensions:		
Width	272.40 mm (10.72 in)	
Depth	46.30 mm (1.82 in)	
Height	20 mm (0.79 in)	35.40 mm (1.39 in)
Weight (maximum)	0.26 kg (0.57 lb)	0.36 kg (0.79 lb)
Voltage	14.80 VDC	11.10 VDC
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	
Charging time when the computer is off (approximate)	4 hours	
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
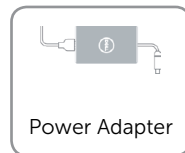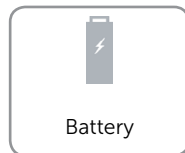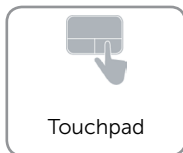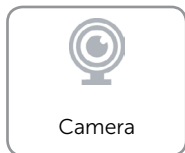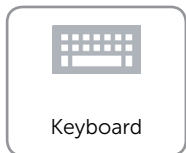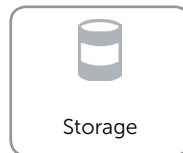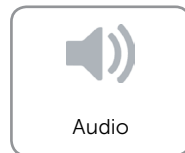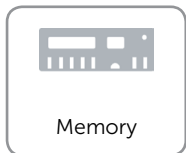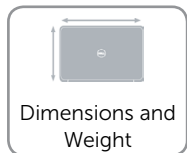
Power Adapter

Type	65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	1.60 A/1.70 A (maximum)
Output current	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)

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
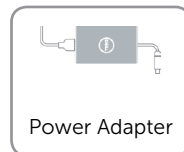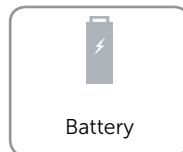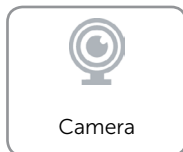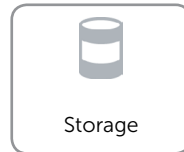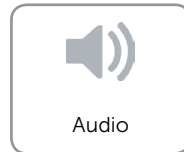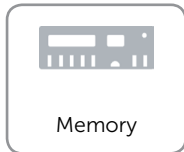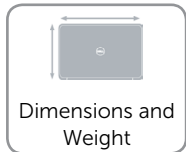
Specifications

Computer Environment

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

* 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