Inspiron 15

7000 Series

Views

Specifications

2014 - 11   Rev. A01

Regulatory model: P41F | Type: P41F001

Computer model: Inspiron 7547/Inspiron 7548

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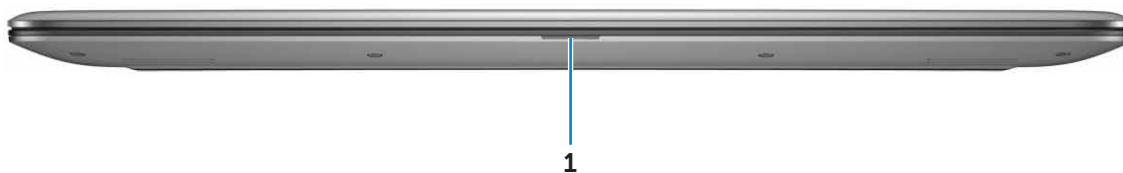
Front

Left

Right

Base

Display

Front

1

1   **Battery/Power-status light**

Indicates the battery-charge status.

Inspiron 7548 only: Press Fn+H to toggle this light between hard-drive/battery-status light.

Left

Front

Left

Right

Base

Display

1 Power-adapter port

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

2 HDMI port

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

4 Headset port

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

3 USB 3.0 port with PowerShare

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

PowerShare allows you to charge your USB devices even when your computer is turned off.

📝 **NOTE:** If your computer is powered off or in Hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in BIOS setup program.

📝 **NOTE:** Certain USB devices may not charge when the computer is powered off or in the Sleep state. In such cases, turn on the computer to charge the device.

Views

Front

Left

Right

Base

Display

Right

1   2   3   4

1   Media-card reader

Reads from and writes to media cards.

2   USB 3.0 port

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

3   USB 2.0 port

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

4   Security-cable slot

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

Views

Base

4

1 2 3
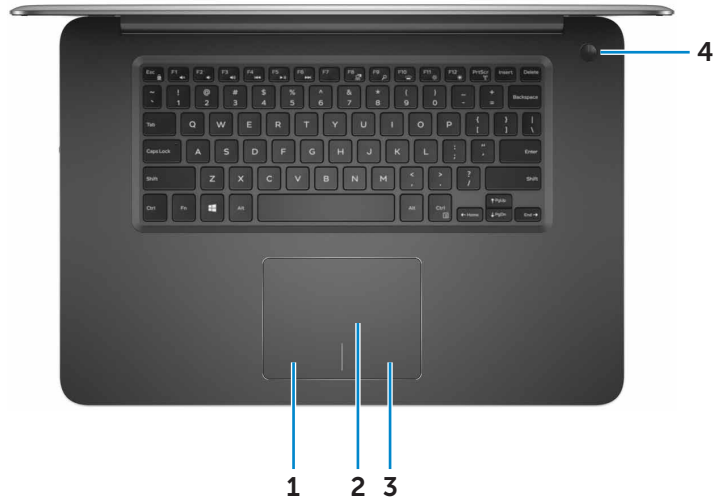
1   Left-click area

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**.

Views

Front

Left

Right

Base

Display

Display

1 2 3 4
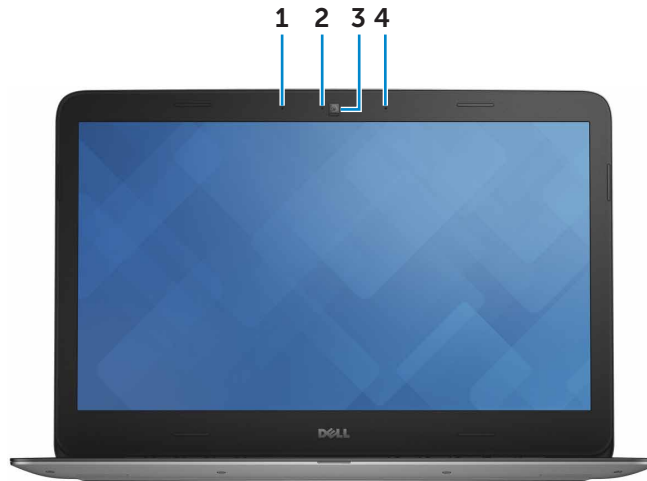
1 Left microphone

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

2 Camera-status light

Turns on when the camera is in use.

3 Camera

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

4 Right microphone

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

Specifications

Dimensions and Weight

Height	19.90 mm (0.78 in)
Width	377.80 mm (14.87 in)
Depth	261.20 mm (10.28 in)
Weight (maximum)	2.20 kg (4.85 lb) **NOTE**: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.
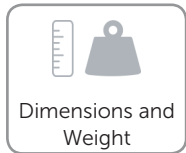
Dimensions and Weight
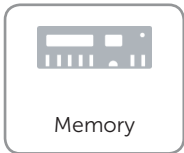
System Information

Memory

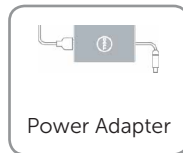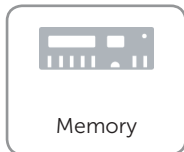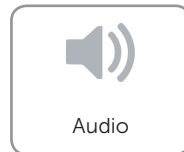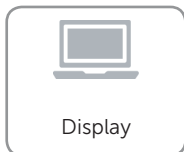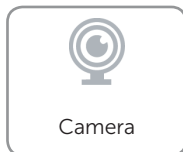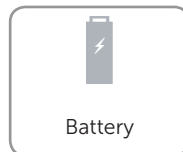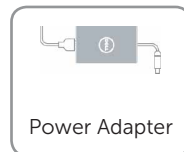Ports and Connectors

Communications

Video

Audio

Storage

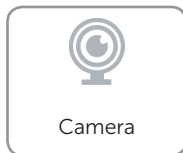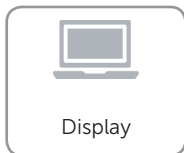Media-Card Reader

Display
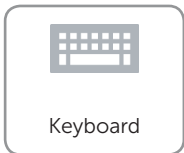
Keyboard
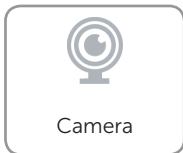
Camera
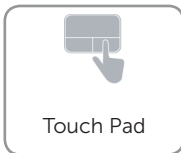
Touch Pad
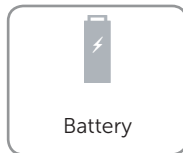
Battery

Power Adapter

Computer Environment

Specifications

System Information

Computer model	• Inspiron 7547 • Inspiron 7548	
	Inspiron 7547	**Inspiron 7548**
Processor	• 4th generation Intel Core i5 ULV • 4th generation Intel Core i7 ULV	• 5th generation Intel Core i5 ULV • 5th generation Intel Core i7 ULV
Chipset	Integrated in processor	

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

Specifications

Memory

Slots	Two SODIMM slots
Type	Dual-channel DDR3L
Speed	1600 MHz
Configurations supported	4 GB, 6 GB, 8 GB, 12 GB, and 16 GB

Dimensions and Weight
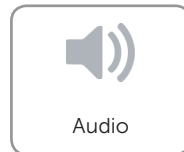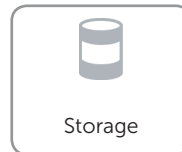
System Information

Memory

Ports and Connectors
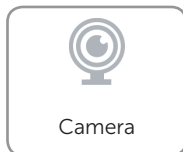
Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touch Pad

Battery

Power Adapter

Computer Environment
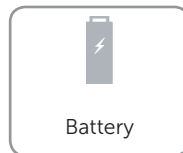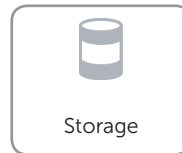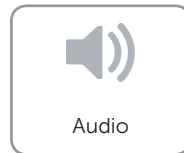
Specifications

Ports and Connectors

| External:	
USB	• One USB 2.0 port • One USB 3.0 port • One USB 3.0 port with PowerShare
Audio/Video	• One HDMI port • One headphone and microphone combo (headset) port
Internal:	
NGFF slot	One NGFF slot for Wi-Fi and Bluetooth combo card

Dimensions and Weight
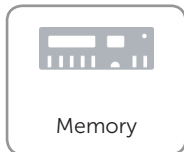
System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touch Pad
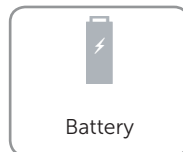
Battery
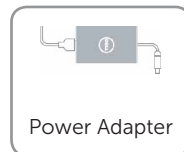
Power Adapter

Computer Environment

Specifications

Communications

Wireless	• Wi-Fi 802.11ac
	• Wi-Fi 802.11a/g/n (Inspiron 7548 only)
	• Bluetooth 4.0
	• Intel WiDi

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

Media-Card Reader | Display | Keyboard | Camera | Touch Pad | Battery | Power Adapter | Computer Environment
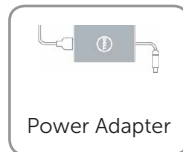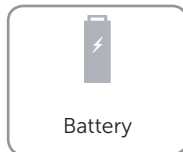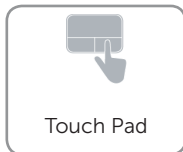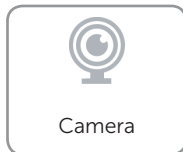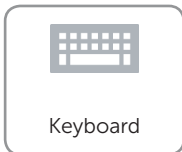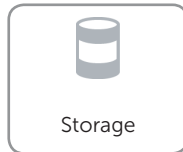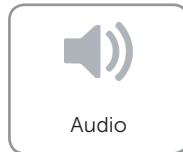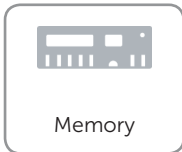
Video

Controller:	
Integrated	• Inspiron 7547—Intel HD Graphics 4400
	• Inspiron 7548—Intel HD Graphics 5500
Discrete	AMD Radeon R7 M270
Memory:	
Integrated	Shared system memory
Discrete	4 GB DDR3L

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

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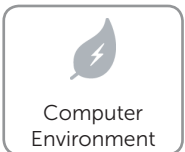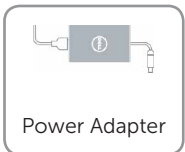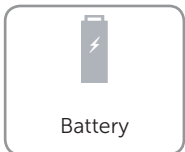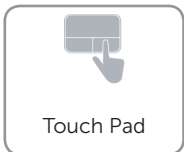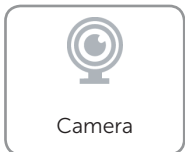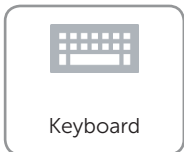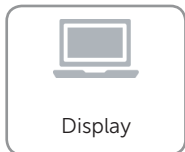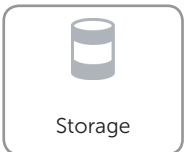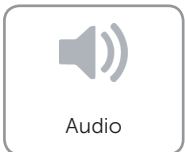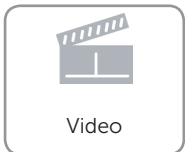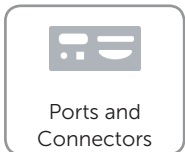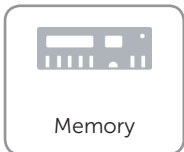
Specifications

Audio

Controller	Realtek ALC3234 with Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
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 | Touch Pad | Battery | Power Adapter | Computer Environment
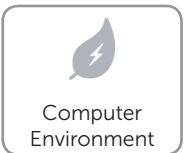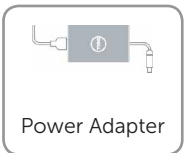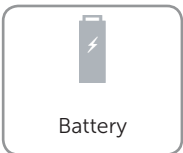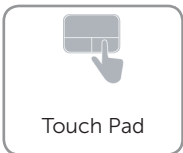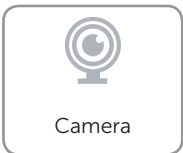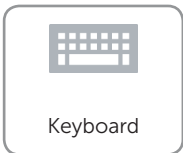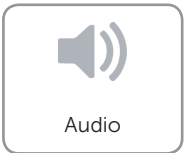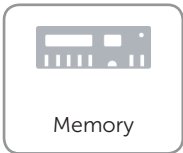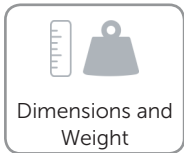
Specifications

Storage

Interface	SATA 6 Gbps
Hard drive	One 7 mm 2.5-inch drive
Drives supported	• One hard drive (supports Intel Smart Response Technology) • One solid-state drive • One hard drive and solid-state hybrid drive

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touch Pad

Battery

Power Adapter

Computer Environment
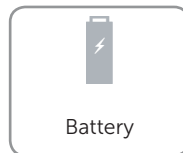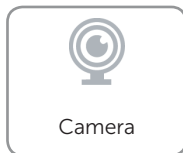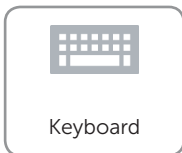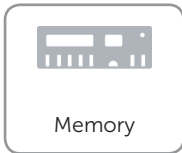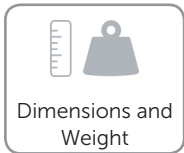
Specifications

Media-Card Reader

Type	One 2-in-1 slot
Cards supported	• SD card • MultiMedia Card (MMC)

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

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Computer Environment

Specifications

Display

Type	• 15.6-inch anti-glare panel • 15.6-inch Truelife touchscreen panel		
	HD	**Full HD**	**Ultra HD**
Resolution (maximum)	1366 x 768	1920 x 1080	3840 x 2160
Pixel Pitch	0.2520 mm	0.1790 mm	0.0897 mm
Dimensions:			
Height	193.54 mm (7.62 in)	193.59 mm (7.62 in)	193.75 mm (7.63 in)
Width	344.23 mm (13.55 in)	344.16 mm (13.55 in)	344.45 mm (13.56 in)
Diagonal	394.90 mm (15.55 in)	394.90 mm (15.55 in)	396.24 mm (15.60 in)
Operating angle	0 degree (closed) to 135 degrees		
Refresh rate	48 Hz/60 Hz		
Controls	Brightness can be controlled using shortcut keys.		

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

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Storage
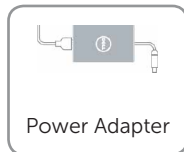
Media-Card Reader

Display

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Computer Environment
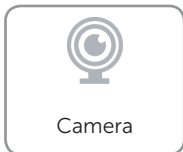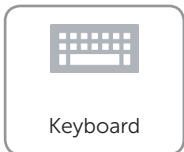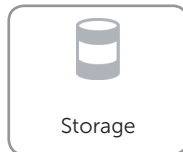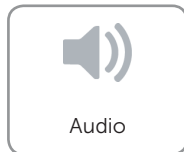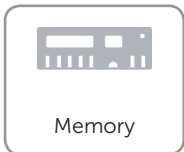
Specifications

Keyboard

Type	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 change the behavior of the shortcut keys by pressing Fn+Esc or by changing **Function Key Behavior** in BIOS setup program. List of shortcut keys.

Dimensions and Weight

System Information

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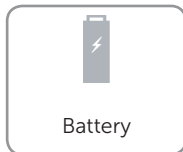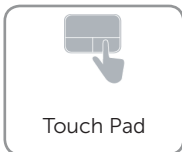
Computer Environment

Shortcut Keys
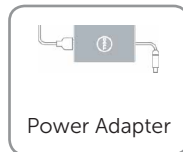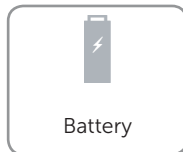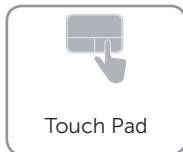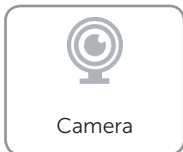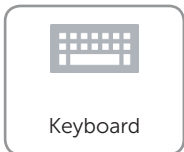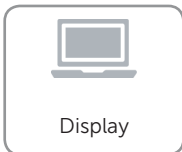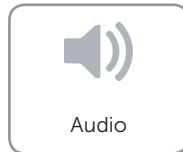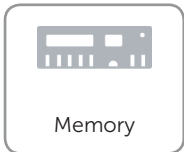
Key	Action
F1 ◀×	Mute audio
F2 ◀	Decrease volume
F3 ◀))	Increase volume
F4 ◀◀	Play previous track/chapter
F5 ▶❚❚	Play/Pause
F6 ▶▶❚	Play next track or chapter
F8	Switch to external display
F9 🔍	Search
F10	Toggle keyboard backlight
F11 ☼	Decrease brightness
F12 ☀	Increase brightness

Keys	Action
Fn + Esc 🔒	Toggle Fn-key lock
Fn + PrtScr	Turn off/on wireless
Fn + Ctrl	Open application menu
Fn + B	Pause/Break
Fn + H	Toggle status light between hard-drive and battery-status light (Inspiron 7548 only)
Fn + R	System request
Fn + S	Toggle scroll lock
Fn + Insert	Sleep

Camera

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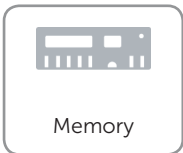
Touch Pad

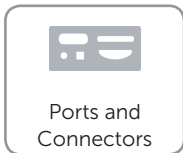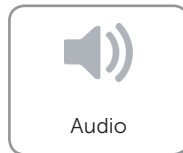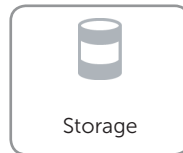| Resolution:	
Horizontal	1211 dpi
Vertical	1267 dpi
Dimensions:	
Width	105 mm (4.13 in)
Height	80 mm (3.15 in)

Dimensions and Weight

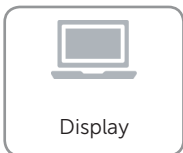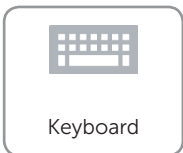System Information

Memory

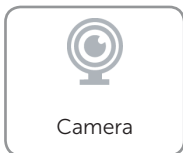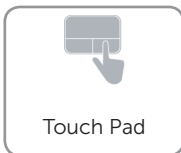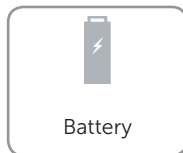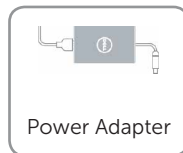Ports and Connectors

Communications

Video

Audio

Storage

Media-Card Reader

Display

Keyboard

Camera

Touch Pad

Battery

Power Adapter

Computer Environment

Specifications

Battery

Type	• 3-cell 43 WHr smart lithium	
	• 4-cell 56 WHr smart lithium	
	3 cell	**4 cell**
Dimensions:		
Width	251.4 mm (9.90 in)	251.4 mm (9.90 in)
Depth	112.55 mm (4.43 in)	112.55 mm (4.43 in)
Height	7.70 mm (0.30 in)	7.70 mm (0.30 in)
Weight (maximum)	0.27 kg (0.60 lb)	0.34 kg (0.75 lb)
Voltage	11.1 VDC	7.40 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	ML 1220	

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

Power Adapter

Type	65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	1.50 A/1.60 A/1.70 A/2.50 A
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

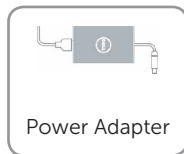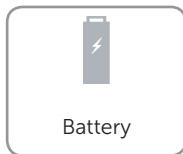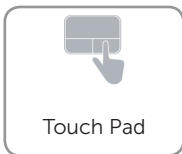Media-Card Reader | Display | Keyboard | Camera | Touch Pad | Battery | Power Adapter | Computer Environment
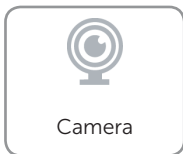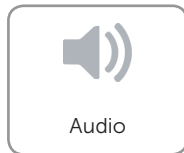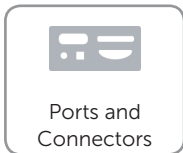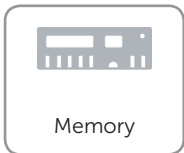
Specifications

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‡
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 | Keyboard | Camera | Touch Pad | Battery | Power Adapter | Computer Environment