Inspiron 15

5000 Series

Views

Specifications

2015 - 03   Rev. A00

Regulatory model: P51F | Type: P51F001/P51F003

Computer model: Inspiron 15-5558/Inspiron 15-5551

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

Front

Front

Left

Right

Base

Display

1

1 Power and battery-status light/hard-drive activity light

Indicates the power and battery-charge status.
Press Fn+H to toggle this light between hard-drive activity light and battery-status light.

Solid white	Power adapter is connected and the battery has more than 5% charge.
Amber	Computer is running on battery and the battery has less than 5% charge.
Off	• Power adapter is connected and the battery is fully charged. • Computer is running on battery and the battery has more than 5% charge. • Computer is in sleep state, hibernation, or turned off.

Views

Front

Left

Right

Base

Display

Left

1   2   3   4   5

1 Power-adapter port

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

2 Network port (Inspiron 15-5558 only)

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

3 HDMI port

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

4 USB 3.0 port

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

5 Media-card reader

Reads from and writes to media cards.

Views

Right

1 **Headset port**

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

2 **USB 2.0 ports (2)**

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.

4 **Security-cable slot**

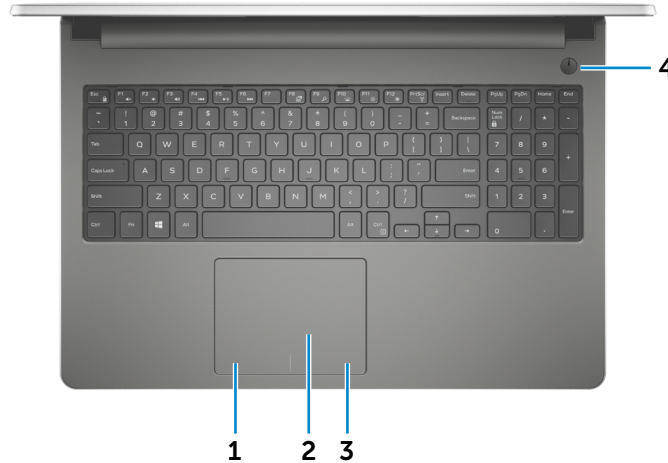Connect a security cable to prevent unauthorized movement of your computer.

Views

Base

Front

Left

Right

Base

Display

4

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, in sleep state, or in hibernate state.

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

Press and hold for 4 seconds to force shut-down the computer.

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

Views

Front

Left

Right

Base

Display

Display

1 **Left microphone (Inspiron 15-5558 only)**

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

2 **Camera**

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

3 **Camera-status light**

Turns on when the camera is in use.

4 **Right microphone**

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

Specifications

Dimensions and weight

Height:	
Touch	24.05 mm (0.95 in)
Non-touch	23.75 mm (0.94 in)
Width	380 mm (14.96 in)
Depth	260.40 mm (10.25 in)
Weight (maximum):	
Touch	2.39 kg (5.27 lb)
Non-touch	2.24 kg (4.94 lb)
	NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.
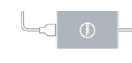
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment

Specifications

System information

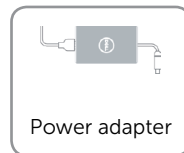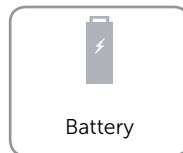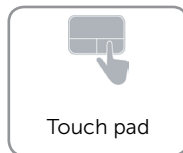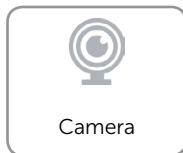| Computer model	**Inspiron 15-5558**	**Inspiron 15-5551**
Processor	• Intel Celeron Dual Core Processor • Intel Pentium Quad Core Processor • 4th generation Intel Core i3 Processor • 5th generation Intel Core i3/i5/i7 Processor	• Intel Celeron Dual Core Processor • Intel Pentium Quad Core Processor
Chipset	Integrated in processor	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
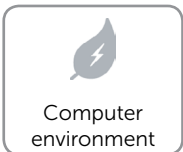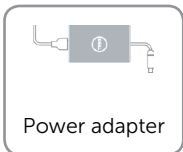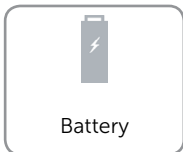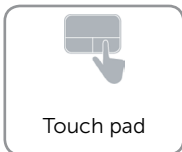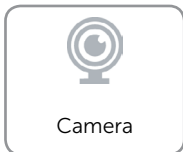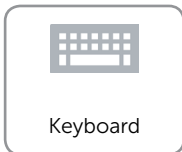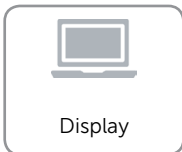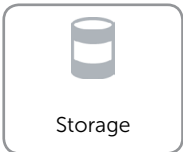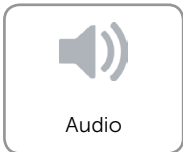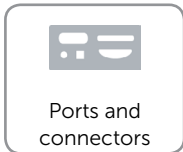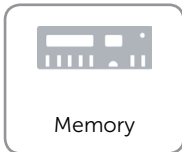
Specifications

Memory

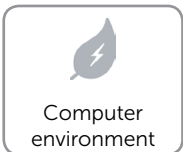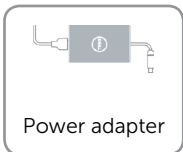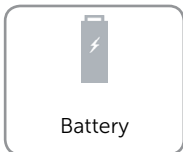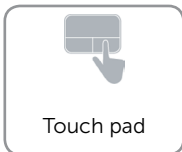|	**Inspiron 15-5558**	**Inspiron 15-5551**
Slots	Two SODIMM slots	One SODIMM slot
Type	Dual-channel DDR3L	Single-channel DDR3L
Speed	1600 MHz	1600 MHz
Configurations supported	2 GB, 4 GB, 6 GB, 8 GB, 12 GB, and 16 GB	2 GB, 4 GB, and 8 GB

Dimensions and weight | System information | Memory | Ports and connectors | Communications | Video | Audio | Storage

Media-card reader | Display | Keyboard | Camera | Touch pad | Battery | Power adapter | Computer environment
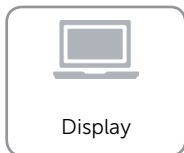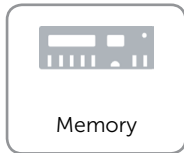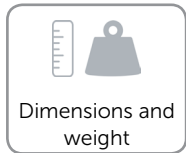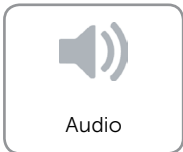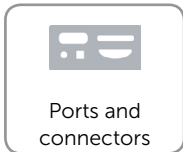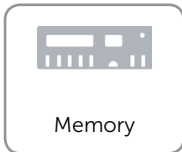
Specifications

Ports and connectors

External:	
Network	One RJ45 port (Inspiron 15-5558 only)
USB	• One USB 3.0 port • Two USB 2.0 ports
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

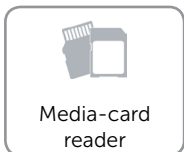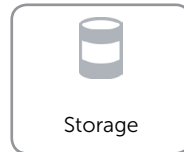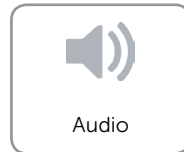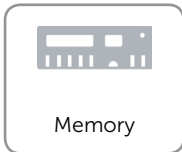|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
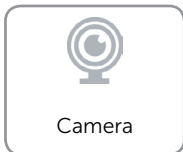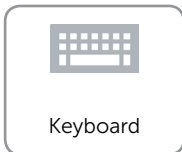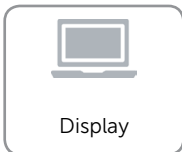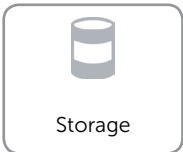
Communications

Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11ac • Wi-Fi 802.11b/g/n • Bluetooth 4.0 • Intel WiDi (Windows only)

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
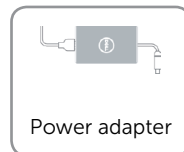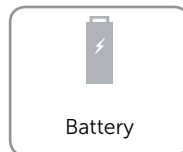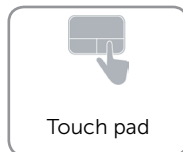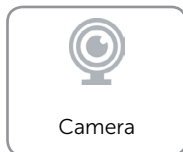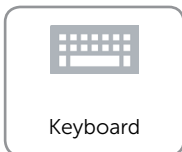
Specifications

Video

	Inspiron 15-5558	Inspiron 15-5551
Controller:		
Integrated	• Intel HD Graphics • Intel HD Graphics 4400 • Intel HD Graphics 5500	Intel HD Graphics
Discrete	NVIDIA GeForce 920M	N/A
Memory:		
Integrated	Shared system memory	Shared system memory
Discrete	Up to 4 GB DDR3L	N/A

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

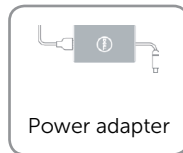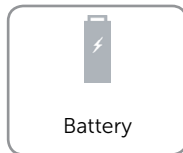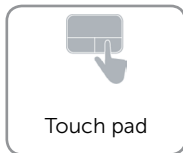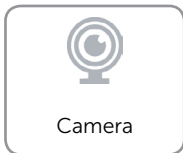|	
Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.2 W
Microphone	• Single microphone (Inspiron 15-5551 only) • Digital array-microphones (Inspiron 15-5558 only)
Volume controls	Media-control shortcut keys

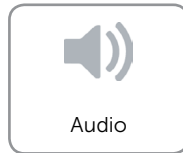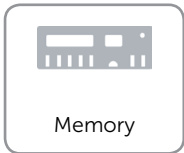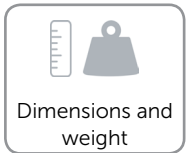|							
Dimensions and weight	System information	Memory	Ports and connectors	Communications	Video	Audio	Storage
Media-card reader	Display	Keyboard	Camera	Touch pad	Battery	Power adapter	Computer environment
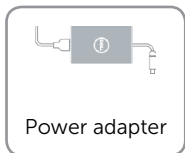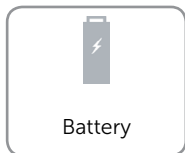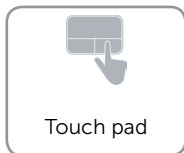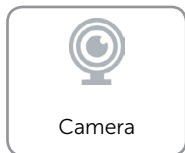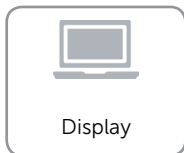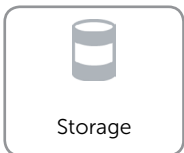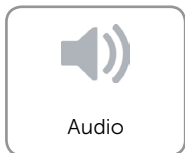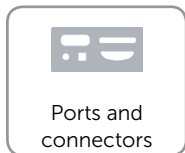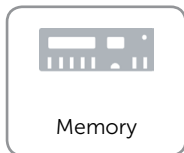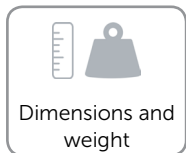
Storage

Interface	• SATA 3 Gbps (Inspiron 15-5551 only) • SATA 6 Gbps (Inspiron 15-5558 only)
Hard drive	One 2.5-inch drive (supports Intel Smart Response Technology)
Optical drive	One 9.5 mm SATA drive
Drive supported	DVD +/- RW

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
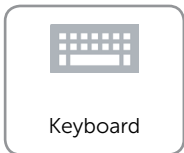
Media-card reader

Type	One SD card slot
Cards supported	SD 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

Display

Type	• 15.6-inch HD Touch
	• 15.6-inch HD Non-touch
	• 15.6-inch FHD Non-touch (Inspiron 15-5558 only)
	• 15.6-inch FHD Touch (Inspiron 15-5558 only)
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 135 degrees
Controls	Brightness can be controlled using shortcut keys.

	HD Touch	HD Non-touch	FHD Non-touch	FHD Touch
Resolution (maximum)	1366 x 768	1366 x 768	1920 x 1080	1920 x 1080
Pixel pitch	0.2265 mm	0.2265 mm	0.161 mm	0.17925 mm
Dimensions:				
Height	225.06 mm (8.86 in)	224.3 mm (8.83 in)	223.8 mm (8.81 in)	225.06 mm (8.86 in)
Width	366.63 mm (14.43 in)	360 mm (14.17 in)	359.5 mm (14.15 in)	366.63 mm (14.43 in)
Diagonal	396.24 mm (15.60 in)	396.24 mm (15.60 in)	396.24 mm (15.60 in)	396.24 mm (15.60 in)

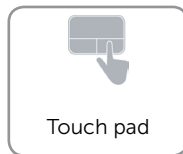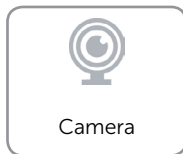|							
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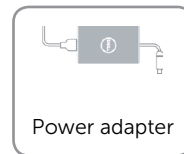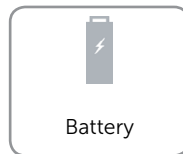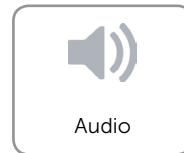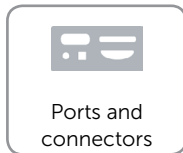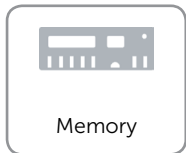
Specifications

Keyboard

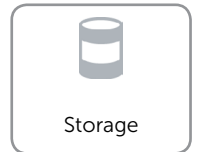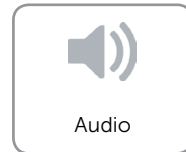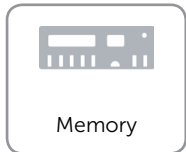| Type	• Standard keyboard
	• Backlit keyboard (optional)
Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, 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

Memory

Ports and connectors

Communications

Video

Audio

Storage

Media-card reader

Display

Keyboard

Camera

Touch pad

Battery

Power adapter

Computer environment

Shortcut keys
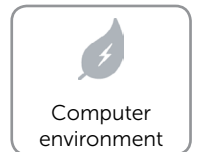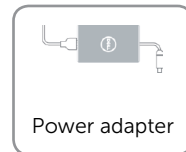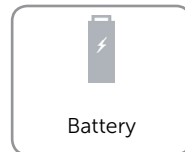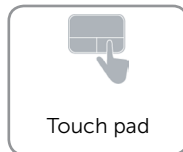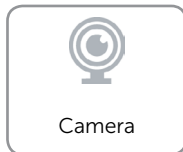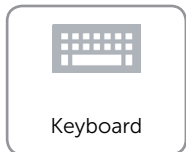
Key	Action
F1 🔇	Mute audio
F2 🔉	Decrease volume
F3 🔊	Increase volume
F4 ⏮	Play previous track/chapter
F5 ⏯	Play/Pause
F6 ⏭	Play next track/chapter
F8 🖥	Switch to external display
F9 🔍	Search
F10	Toggle keyboard backlight (optional)
F11 ☀	Decrease brightness
F12 ☀	Increase brightness

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

Camera

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

Dimensions and weight

System information

Memory

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Video

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Storage

Media-card reader

Display

Keyboard
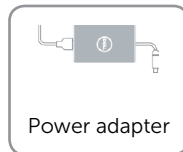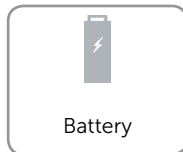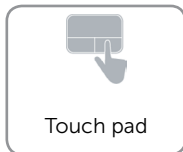
Camera

Touch pad

Battery

Power adapter

Computer environment
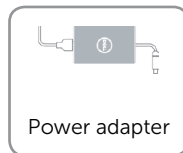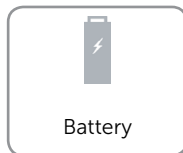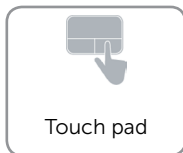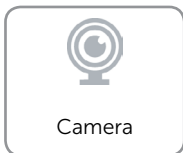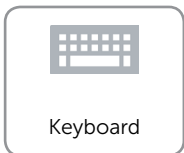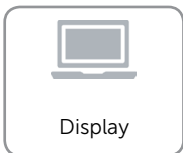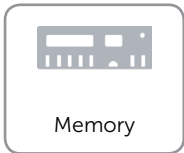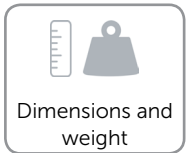
Touch pad

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

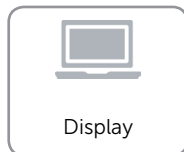|	
Type	• 4 cell "smart" lithium ion (40 WHr) • 4 cell "smart" lithium ion (47 WHr)
Dimensions:	
Width	270 mm (10.63 in)
Depth	37.5 mm (1.48 in)
Height	20 mm (0.79 in)
Weight (maximum)	• 40 WHr—0.25 kg (0.55 lb) • 47 WHr—0.26 kg (0.56 lb)
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	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 | Touch pad | Battery | Power adapter | Computer environment
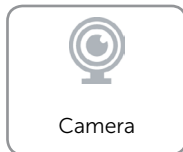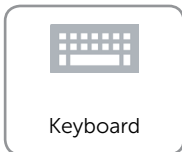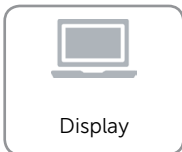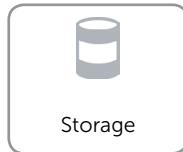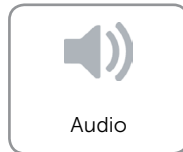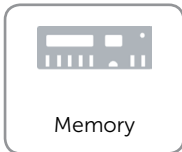
Specifications

Power adapter

Type	• 45 W
	• 65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum):	
45 W	1.30 A
65 W	1.60 A/1.70 A
Output current (maximum):	
45 W	2.31 A
65 W	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
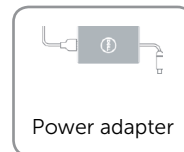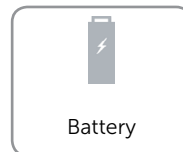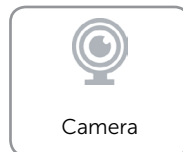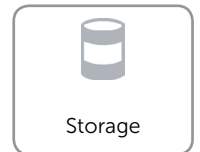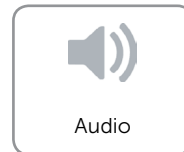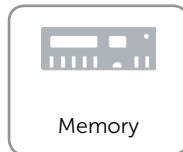
Specifications

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.
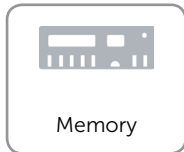
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.
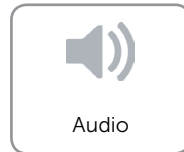
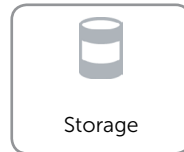Dimensions and weight | System information | Memory | Ports and connectors | Communications | Video | Audio | Storage
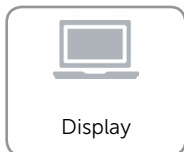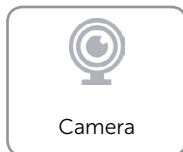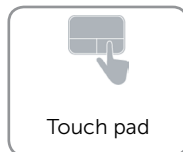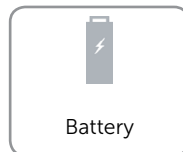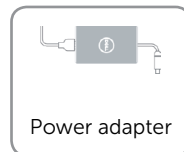
Media-card reader | Display | Keyboard | Camera | Touch pad | Battery | Power adapter | Computer environment