Inspiron 15

3000 Series



Views

Specifications

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2014 - 12 Rev. A00

Regulatory model: P47F | Type: P47F001/P47F002

Computer model: Inspiron 15-3551/Inspiron 15-3558

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

Views



Front



Left



Right



Base



Display

Front



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

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

Views



Front



Left



Right



Base



Display

Left



1 Power-adapter port

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

2 Network port (Inspiron 15-3558 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


Front


Left


Right


Base


Display

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 Security-cable slot

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

Views



Front



Left



Right



Base



Display

Base



1 Left-click area

Press to left click.

2 Right-click area

Press to right click.

3 Power button

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

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

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

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

Views



Front



Left



Right



Base



Display

Display



1 Camera

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

2 Camera-status light

Turns on when the camera is in use.

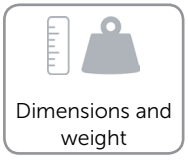
3 Microphone

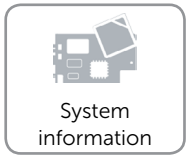
Provides high-quality digital sound input for audio recording, voice calls, and so on.

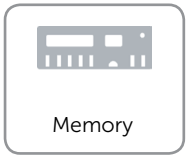
Specifications

Dimensions and weight

Height	21.70 mm (0.85 in)
Width	380 mm (14.96 in)
Depth	260.30 mm (10.25 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.

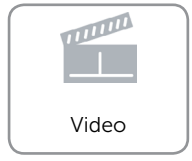

Dimensions and weight


System information

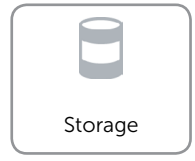

Memory

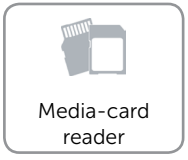

Ports and connectors

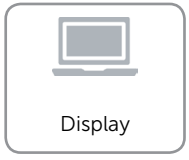

Communications

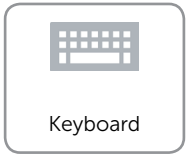

Video


Audio


Storage

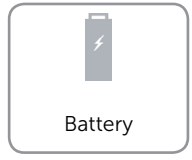

Media-card reader

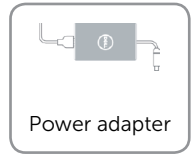

Display

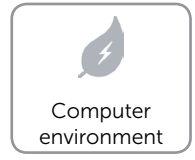

Keyboard


Camera


Touch pad


Battery

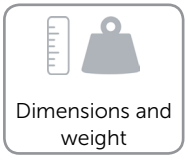

Power adapter

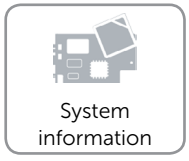

Computer environment

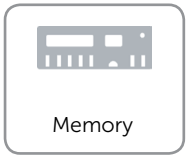
Specifications

System information

Computer model	• Inspiron 15-3551 • Inspiron 15-3558	
	Inspiron 15-3551	**Inspiron 15-3558**
Processor	• Intel Celeron Processor • Intel Pentium Processor	• Intel Celeron Processor • Intel Pentium Processor • 4th generation Intel Core i3 Processor • 5th generation Intel Core i3 Processor • 5th generation Intel Core i5 Processor
Chipset	Integrated in processor	Integrated in processor

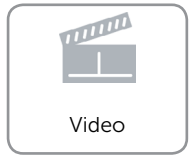




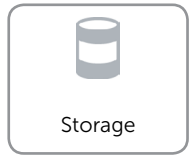


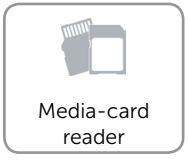


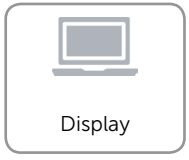


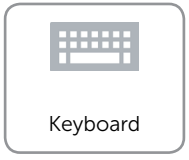






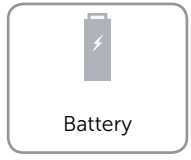


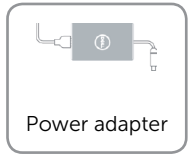


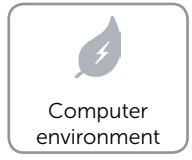








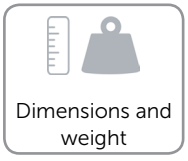


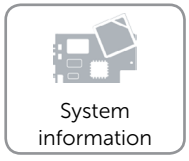


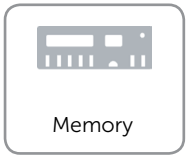
Specifications

Memory

	Inspiron 15-3551	Inspiron 15-3558
Slots	One SODIMM slot	Two SODIMM slots
Type	DDR3L	Dual-channel DDR3L
Speed	1333 MHz	1600 MHz
Configurations supported	2 GB and 4 GB	2 GB, 4 GB, 6 GB, and 8 GB

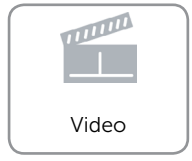

Dimensions and weight


System information

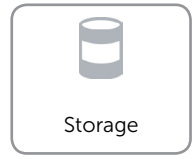

Memory

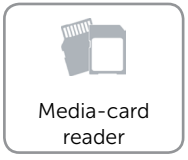

Ports and connectors

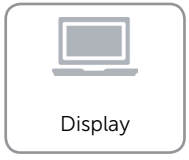

Communications

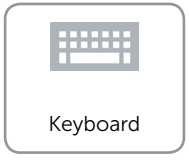

Video


Audio


Storage

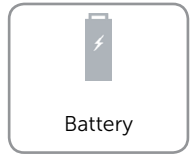

Media-card reader

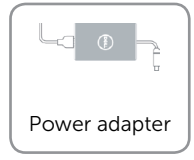

Display

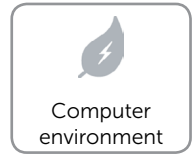

Keyboard


Camera


Touch pad


Battery

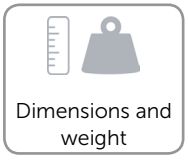

Power adapter

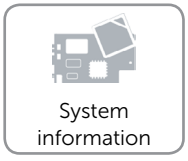

Computer environment

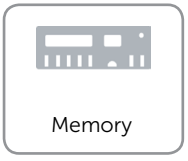
Specifications

Ports and connectors

External:	
Network	One RJ45 port (Inspiron 15-3558 only)
USB	• Two USB 2.0 port • One USB 3.0 port
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

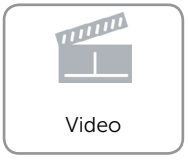

Dimensions and weight


System information

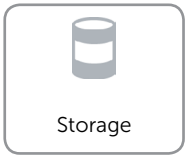

Memory


Ports and connectors


Communications


Video


Audio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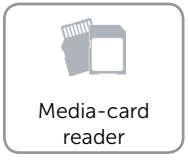
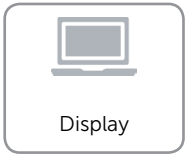
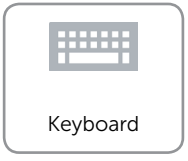
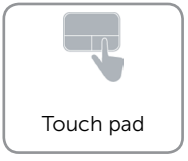
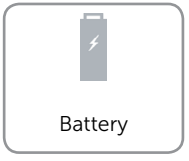

Media-card reader

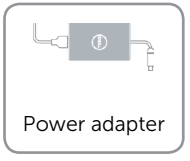

Display


Keyboard


Camera


Touch pad


Battery


Power adapter


Computer environment

Specifications

Communications

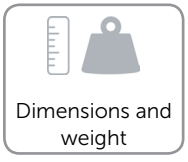
Wireless	• Wi-Fi 802.11ac • Wi-Fi 802.11b/g/n • Bluetooth 4.0 • Intel WiDi

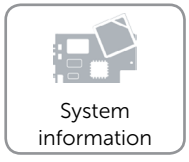
Dimensions and weight
System information
Memory
Ports and connectors
Communications
Video
Audio
Storage
Media-card reader
Display
Keyboard
Camera
Touch pad
Battery
Power adapter
Computer environment

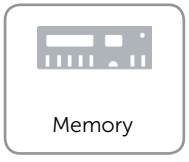
Specifications

Video

	Inspiron 15-3551	Inspiron 15-3558
Controller:		
Integrated	Intel HD Graphics	• Intel HD Graphics • Intel HD Graphics 4400 • Intel HD Graphics 5500
Discrete	N/A	NVIDIA GeForce 820M
Memory:		
Integrated	Shared system memory	Shared system memory
Discrete	N/A	• 1 GB DDR3 • 2 GB DDR3

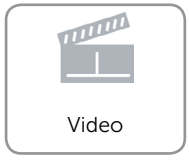




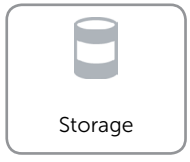


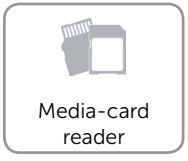


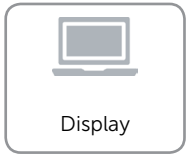


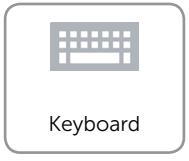


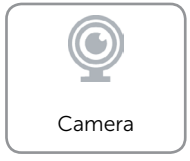


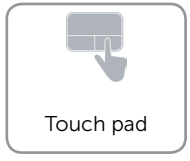


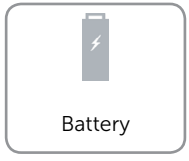


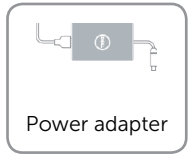










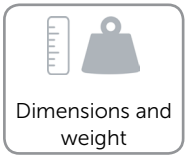


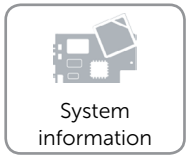


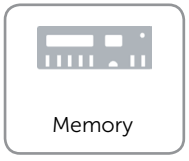
Specifications

Audio

Controller	Realtek ALC3234 with Waves MaxxAudio
Speakers	Two
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Single digital microphone in the camera assembly
Volume controls	Media-control shortcut keys

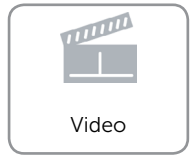

Dimensions and weight


System information

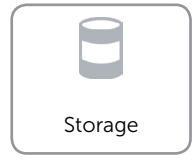

Memory

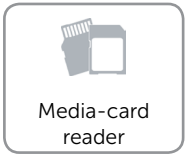

Ports and connectors

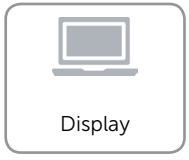

Communications

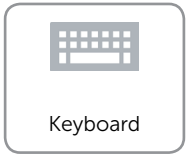

Video


Audio


Storage

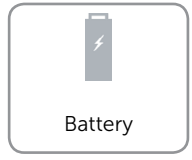

Media-card reader

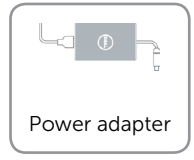

Display

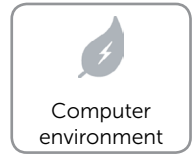

Keyboard


Camera


Touch pad


Battery


Power adapter


Computer environment

Specifications

Storage

Interface:	
Inspiron 15-3551	SATA 3 Gbps
Inspiron 15-3558	SATA 6 Gbps
Hard drive	One 2.5-inch drive
Drives supported	One hard 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

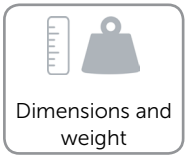
Type	One SD card slot
Cards supported	SD card

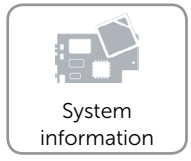
Dimensions and weight
System information
Memory
Ports and connectors
Communications
Video
Audio
Storage
Media-card reader
Display
Keyboard
Camera
Touch pad
Battery
Power adapter
Computer environment

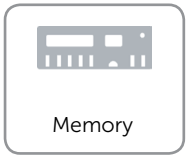
Specifications

Display

Type	15.6-inch Truelife
Resolution (maximum)	1366 x 768
Pixel Pitch	0.2520 mm
Dimensions:	
Height	225.06 mm (8.86 in)
Width	366.63 mm (14.43 in)
Diagonal	396.24 mm (15.60 in)
Operating angle	0 degrees (closed) to 135 degrees
Refresh rate	60 Hz
Controls	Brightness can be controlled using shortcut keys.

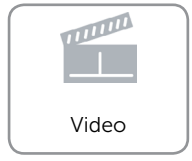

Dimensions and weight


System information

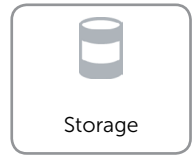

Memory

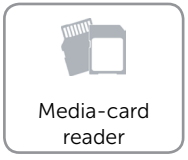

Ports and connectors

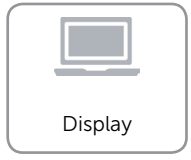

Communications

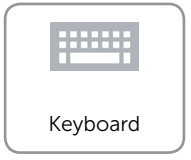

Video


Audio


Storage

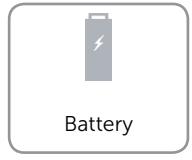

Media-card reader

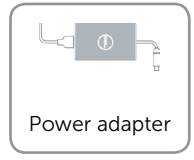

Display

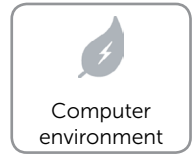

Keyboard


Camera


Touch pad


Battery

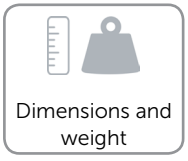

Power adapter

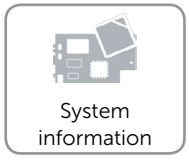

Computer environment

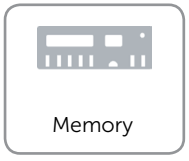
Specifications

Keyboard

Type	Chiclet 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 System Setup. List of shortcut keys.

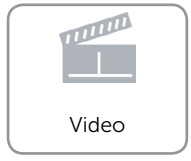




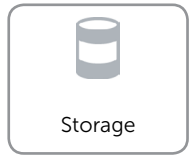


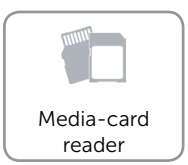


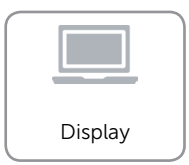


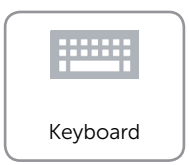






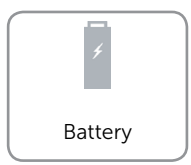


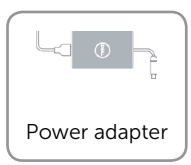


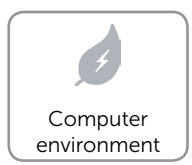












Shortcut keys

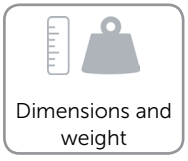
F1	Mute audio
F2	Decrease volume
F3	Increase volume
F4	Play previous track/chapter
F5	Play/Pause
F6	Play next track or chapter
F8	Switch to external display
F9	Search
F11	Decrease brightness
F12	Increase brightness

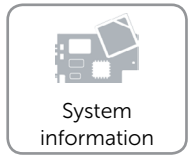
Fn + Esc	Toggle Fn-key lock
Fn + PrtScr	Turn off/on wireless
Fn + Ctrl	Open application menu
Fn + Insert	Sleep
Fn + B	Pause/Break
Fn + H	Toggle between battery-status light/ hard-drive activity light
Fn + R	System request
Fn + S	Toggle scroll lock

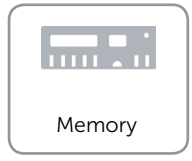
Specifications

Camera

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

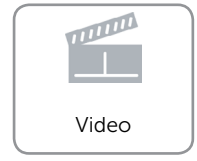

Dimensions and weight


System information

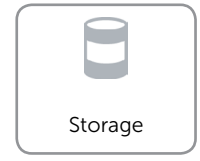

Memory

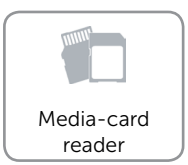

Ports and connectors

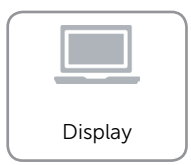

Communications

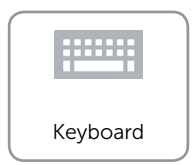

Video


Audio


Storage

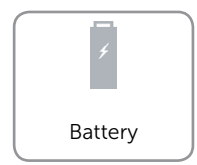

Media-card reader

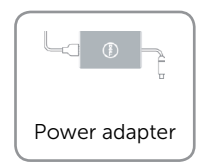

Display


Keyboard


Camera


Touch pad


Battery

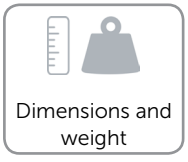

Power adapter

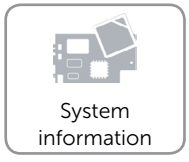

Computer environment

Specifications

Touch pad

Resolution:	
Horizontal	508 dpi
Vertical	508 dpi
Dimensions:	
Width	105 mm (4.13 in)
Height	65 mm (2.56 in)


Dimensions and weight


System information


Memory


Ports and connectors


Communications


Video


Audio


Storage


Media-card reader

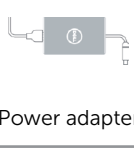

Display


Keyboard


Camera


Touch pad


Battery

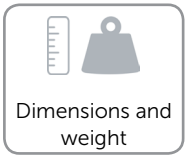

Power adapter

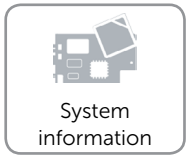

Computer environment

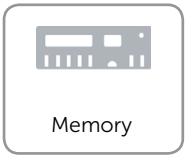
Specifications

Battery

Type	• 4-cell 40 WHr smart lithium • 4-cell 47 WHr smart lithium
Dimensions:	
Height	20 mm (0.79 in)
Width	270.20 mm (10.64 in)
Depth	37.50 mm (1.48 in)
Weight (maximum)	0.26 kg (0.57 lb)
Voltage	14.80 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

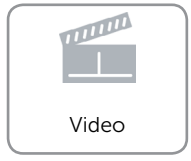

Dimensions and weight


System information

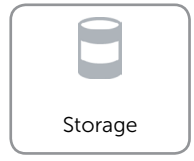

Memory

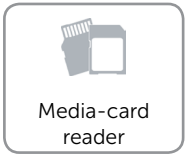

Ports and connectors

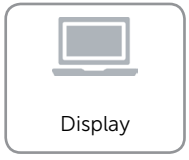

Communications

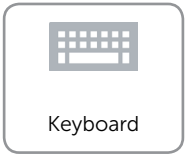

Video


Audio


Storage

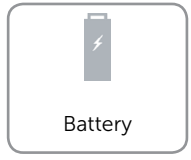

Media-card reader

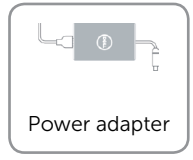

Display

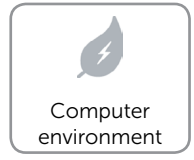

Keyboard


Camera


Touch pad


Battery

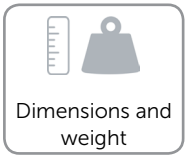

Power adapter

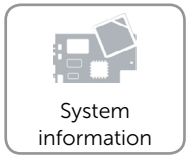

Computer environment

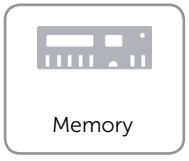
Specifications

Power adapter

Type:	
Inspiron 15-3551	45 W
Inspiron 15-3558	• 45 W • 65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	1.30 A/1.60 A/1.70 A
Output current	2.31 A/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)

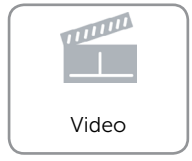

Dimensions and weight


System information

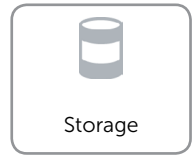

Memory

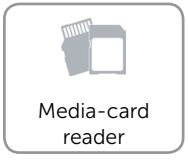

Ports and connectors

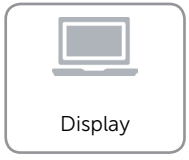

Communications

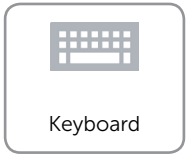

Video


Audio


Storage

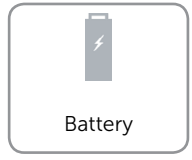

Media-card reader

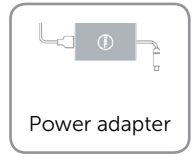

Display

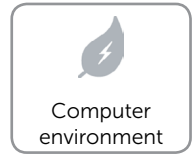

Keyboard


Camera


Touch pad


Battery


Power adapter


Computer environment

Specifications

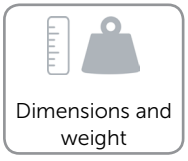
Computer environment

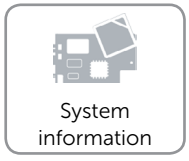
Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	Operating	**Storage**
Temperature range	0°C to 35°C (32°F to 95°F)	–40°C to 65°C (–40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 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)

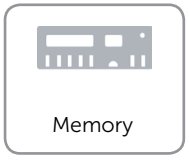
* Measured using a random vibration spectrum that simulates user environment.

† 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.

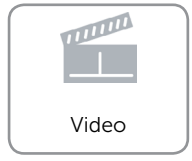

Dimensions and weight


System information

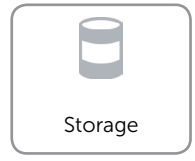

Memory

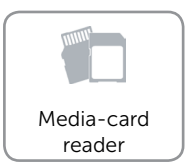

Ports and connectors

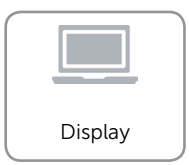

Communications

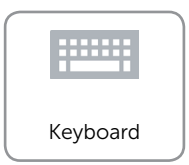

Video


Audio


Storage

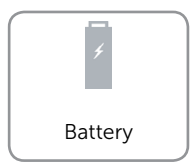

Media-card reader

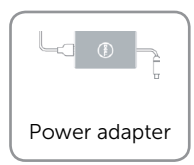

Display

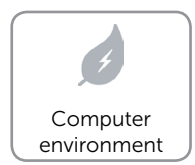

Keyboard


Camera


Touch pad


Battery


Power adapter


Computer environment