



# Inspiron 17

7000 Series



[Views](#)

[Specifications](#)

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2014 - 11 Rev. A00

Regulatory model: P24E | Type: P24E002

Computer model: Inspiron 7746

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



Front



Left



Right



Base



Display

## Front



### 1 Battery-status light

Indicates the battery-charge status of the computer.  
White light — Power adapter is connected and the battery is being charged.  
Solid yellow light — Battery charge is low or critical.  
Blinking yellow light — Battery charge is critical.

### 2 Hard-drive activity light

Turns on when the computer reads from or writes to the hard drive.



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 HDMI port

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

### 3 Network port

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

### 4 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.

### 5 USB 3.0 port

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

### 6 Media-card reader

Reads from and writes to media cards.

### 7 Headset port

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



Front



Left



Right



Base



Display

## Right



**1 USB 2.0 ports (2)**

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

**2 Optical drive**

Reads from and writes to CDs and DVDs.

**3 Security-cable slot**

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



Front



Left



Right

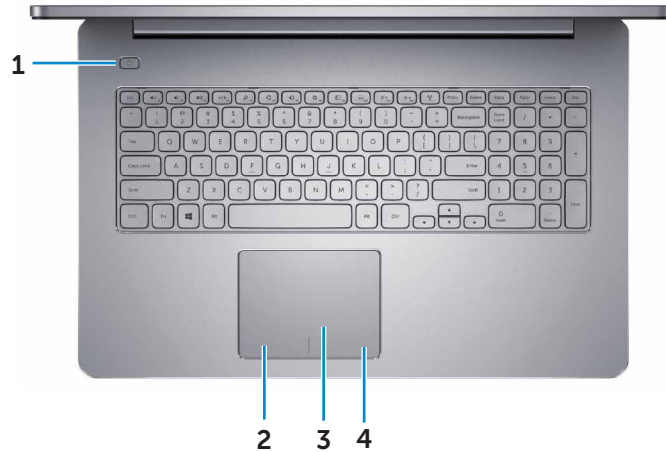


Base



Display

## Base



### 1 Power button

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

Press to put the computer in Sleep state if it is turned on. Press and hold for 10 seconds to force shut-down the computer.

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

### 2 Left-click area

Press to left click.

### 3 Touch Pad

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

### 4 Right-click area

Press to right click.



Front



Left



Right

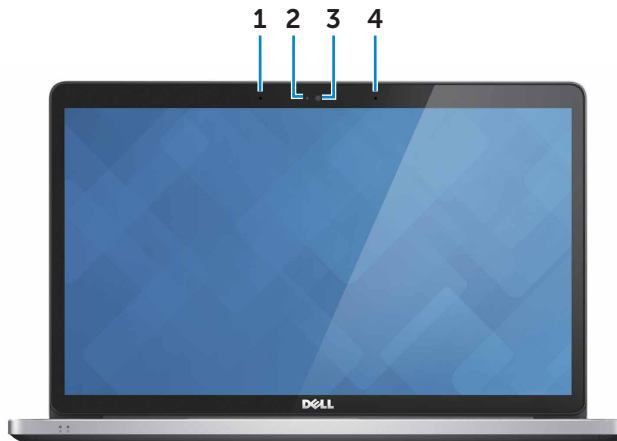


Base



Display

## Display



### 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.

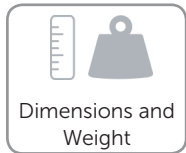


# Specifications

## Dimensions and Weight

Height	27.70 mm (1.10 in)
Width	412.40 mm (16.24 in)
Depth	269.40 mm (10.61 in)
Weight (maximum)	3.29 kg (7.25 lb)

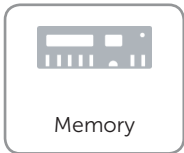
**NOTE:** The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



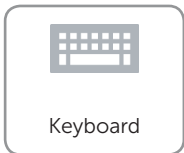
Storage



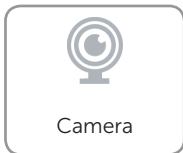
Media-Card Reader



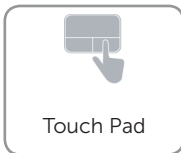
Display



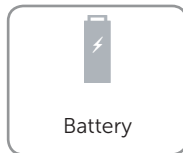
Keyboard



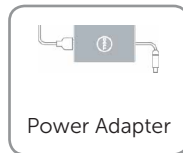
Camera



Touch Pad



Battery



Power Adapter



Computer Environment



# Specifications

## System Information

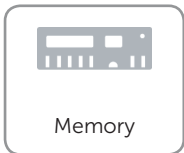
Computer model	Inspiron 7746
Processor	<ul style="list-style-type: none"><li>5<sup>th</sup> Generation Intel Core i5</li><li>5<sup>th</sup> Generation Intel Core i7</li></ul>
L3 cache	Up to 4 MB
Chipset	Integrated in processor



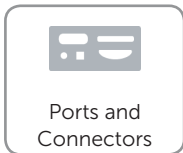
Dimensions and Weight



System Information



Memory



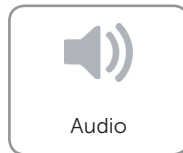
Ports and Connectors



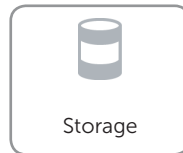
Communications



Video



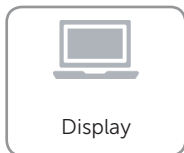
Audio



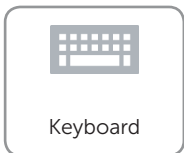
Storage



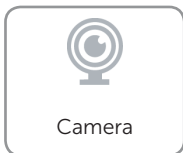
Media-Card Reader



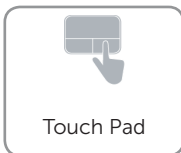
Display



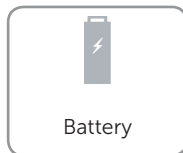
Keyboard



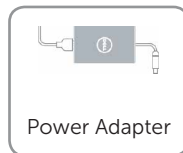
Camera



Touch Pad



Battery



Power Adapter



Computer Environment

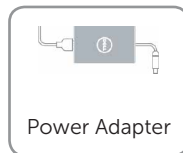
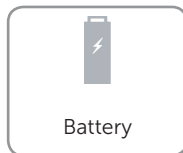
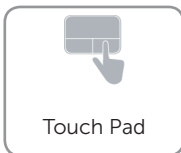
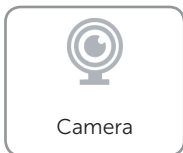
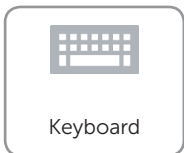
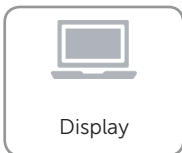
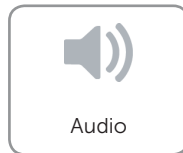
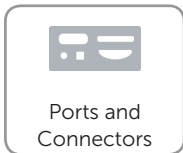
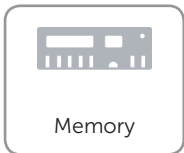




# Specifications

## Memory

Connector	Two SODIMM connectors
Type	DDR3L
Speed	Up to 1600 MHz
Configurations supported	6 GB, 8 GB, 12 GB, and 16 GB





# Specifications

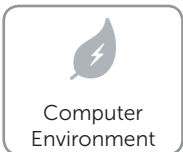
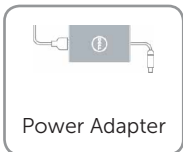
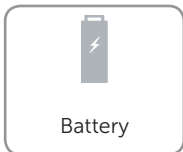
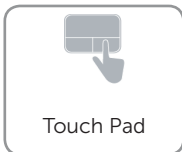
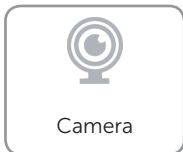
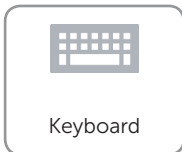
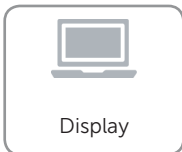
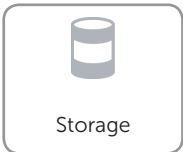
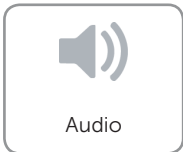
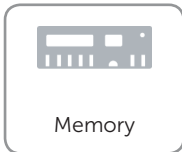
## Ports and Connectors

### External:

Network	One RJ45 port
USB	<ul style="list-style-type: none"><li>• Two USB 2.0 ports</li><li>• One USB 3.0 port</li><li>• One USB 3.0 port with PowerShare</li></ul>
Audio/video	<ul style="list-style-type: none"><li>• One HDMI port</li><li>• One headphone and microphone combo (headset) port</li></ul>

### Internal:

M.2 card	One M.2 card slot for Wi-Fi and Bluetooth combo card
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# Specifications

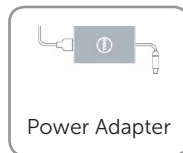
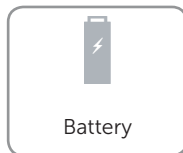
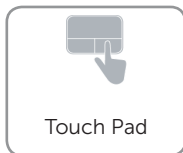
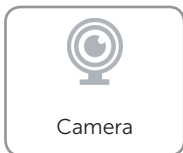
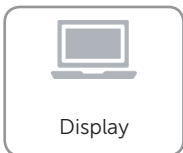
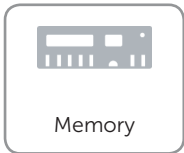
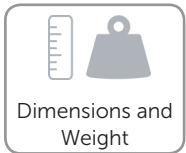
## Communications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11b/g/n
- Wi-Fi 802.11ac
- Bluetooth 4.0
- Wireless Display (WiDi)





# Specifications

## Video

### Controller:

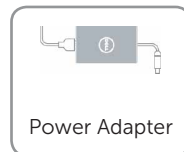
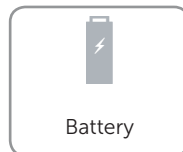
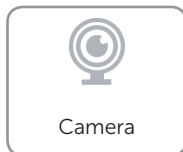
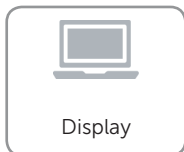
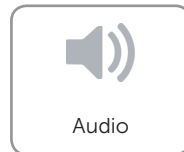
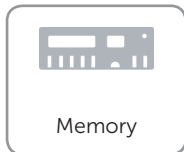
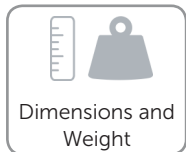
Integrated Intel HD Graphics 5500

Discrete nVidia GeForce 845M

### Memory:

Integrated Shared system memory

Discrete 2GB GDDR5






# Specifications

## Audio


Controller	Realtek ALC3234 with Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	2 watt
Peak	2.5 watt
Microphone	Digital array-microphones
Volume controls	Program menus and keyboard 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 2.5-inch drive (supports Intel Smart Response Technology)
Optical drive	One 9.5 mm 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



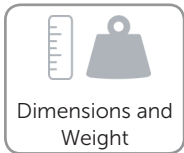
Computer Environment



# Specifications

## Media-card reader

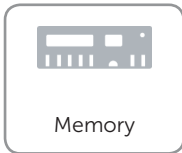
Type	One 8-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>• SD card</li><li>• SD High-Capacity (SDHC) card</li><li>• SD Extended-Capacity (SDXC) card with Ultra High Speed (UHS)</li><li>• Memory Stick (MS)</li><li>• Memory Stick Pro</li><li>• Memory Stick XC (MSXC)</li><li>• MultiMedia Card (MMC)</li><li>• MultiMedia Card plus (MMC+)</li></ul>



Dimensions and Weight



System Information



Memory



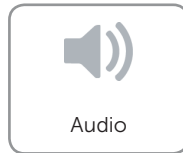
Ports and Connectors



Communications



Video



Audio



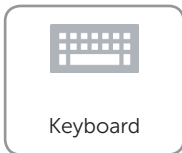
Storage



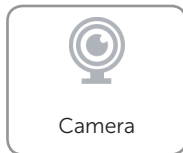
Media-Card Reader



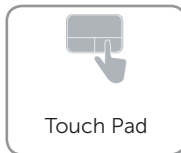
Display



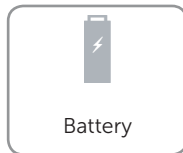
Keyboard



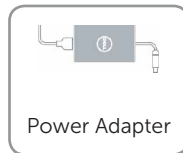
Camera



Touch Pad



Battery



Power Adapter



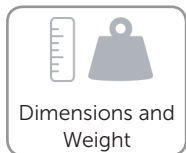
Computer Environment



# Specifications

## Display

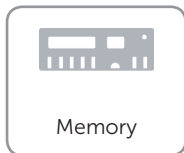
Type	17.3-in full HD
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	214.81 mm (8.46 in)
Width	381.89 mm (15.04 in)
Diagonal	439.42 mm (17.30 in)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Pixel pitch	0.239 mm
Controls	Brightness can be controlled using shortcut keys.



Dimensions and Weight



System Information



Memory



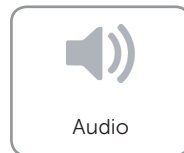
Ports and Connectors



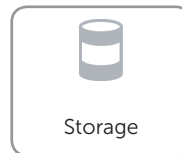
Communications



Video



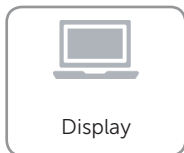
Audio



Storage



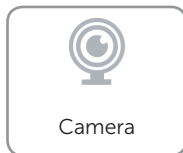
Media-Card Reader



Display



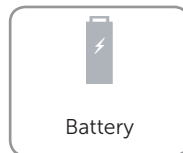
Keyboard



Camera



Touch Pad



Battery



Power Adapter



Computer Environment





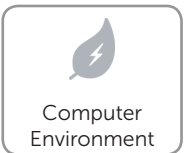
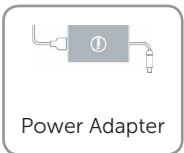
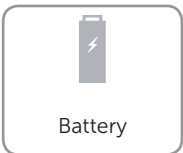
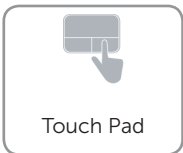
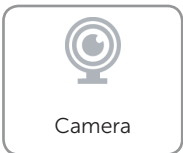
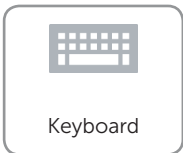
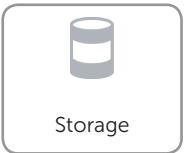
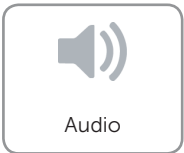
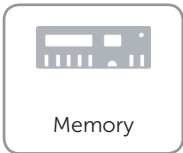
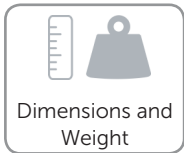
# Specifications

## 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 define the primary behavior of the shortcut keys by changing **Function Key Behavior** in BIOS setup program.





# Specifications

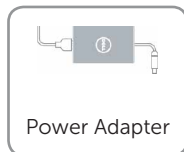
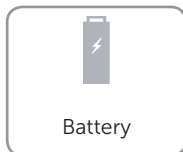
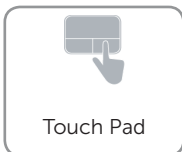
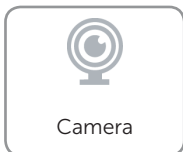
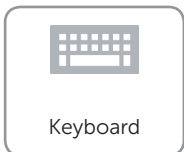
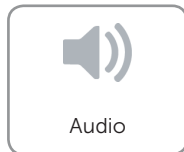
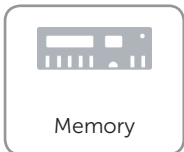
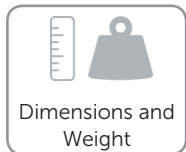
## Camera

Resolution:

Still image 0.92 megapixel

Video 1280 x 720 (HD) at 30 fps (maximum)

Diagonal viewing angle 74 degrees





# Specifications

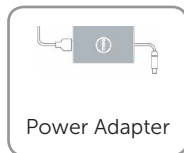
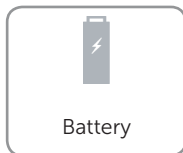
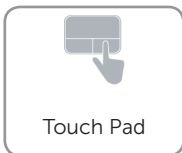
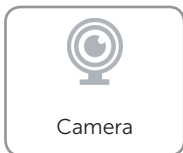
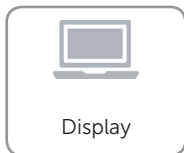
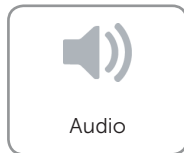
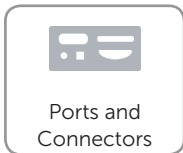
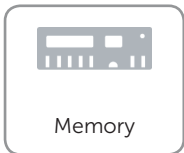
## Touch Pad

### Resolution:

Horizontal	1211 dpi
Vertical	1267 dpi

### Dimensions:

Width	105 mm (4.13 in)
Height	80 mm (3.15 in)

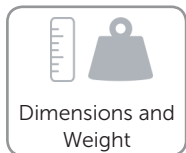




# Specifications

## Battery

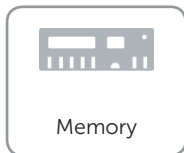
Type	4 cell
Dimensions:	
Width	101.90 mm (4.01 in)
Depth	254 mm (10 in)
Height	7.72 mm (0.30 in)
Weight (maximum)	0.36 kg (0.79 lb)
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	4 hours
Operating time	Varies depending on operating conditions and can significantly reduce under 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



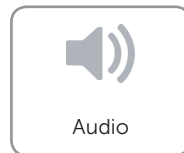
Ports and Connectors



Communications



Video



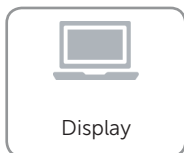
Audio



Storage



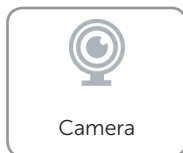
Media-Card Reader



Display



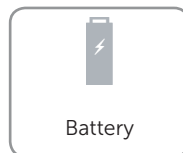
Keyboard



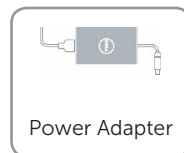
Camera



Touch Pad



Battery



Power Adapter



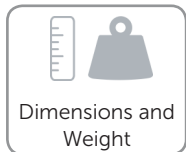
Computer Environment



# Specifications

## Power Adapter

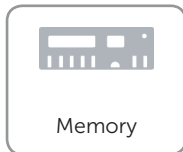
Type	<ul style="list-style-type: none"><li>65 W</li><li>90 W</li></ul>
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current:	
65 W	1.60 A/1.70 A (maximum)
90 W	1.50 A/2.50 A (maximum)
Output current:	
65 W	3.34 A
90 W	4.62 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	–40°C to 70°C (–40°F to 158°F)



Dimensions and Weight



System Information



Memory



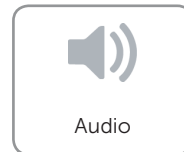
Ports and Connectors



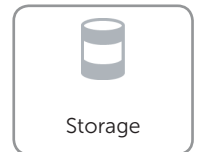
Communications



Video



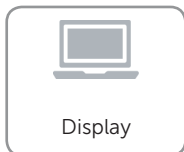
Audio



Storage



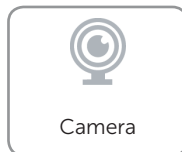
Media-Card Reader



Display



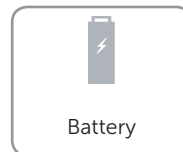
Keyboard



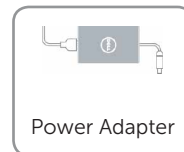
Camera



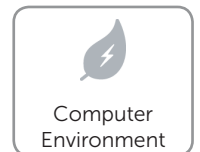
Touch Pad



Battery



Power Adapter



Computer Environment



# Specifications

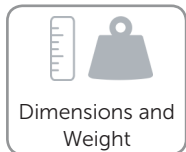
## Computer Environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	<b>Operating</b>	<b>Storage</b>
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 <sup>†</sup>	160 G <sup>‡</sup>
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.

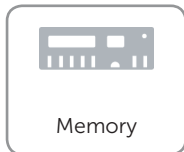
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



Dimensions and Weight



System Information



Memory



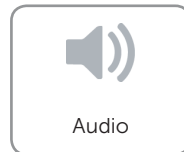
Ports and Connectors



Communications



Video



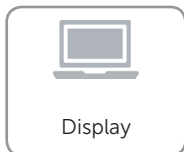
Audio



Storage



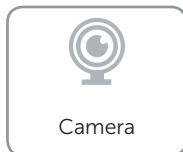
Media-Card Reader



Display



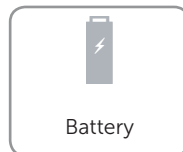
Keyboard



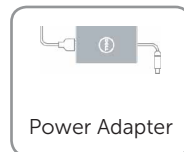
Camera



Touch Pad



Battery



Power Adapter



Computer Environment