

# Alienware 17



[Views](#)

[Specifications](#)

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

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2016 - 09 Rev. A01

Regulatory model: P43F | Type: P43F001

Computer model: Alienware 17 R2

**ALIENWARE** 



Back



Left



Right

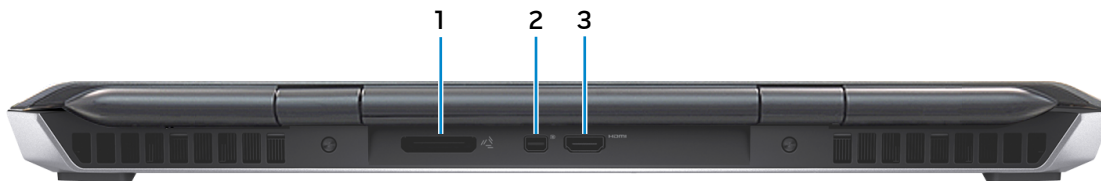


Base



Display

## Back



**1 External graphics port**

Connect an Alienware Graphics Amplifier.

**2 Mini DisplayPort**

Connect an external display or a projector.

**3 HDMI port**

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



Back



Left



Right

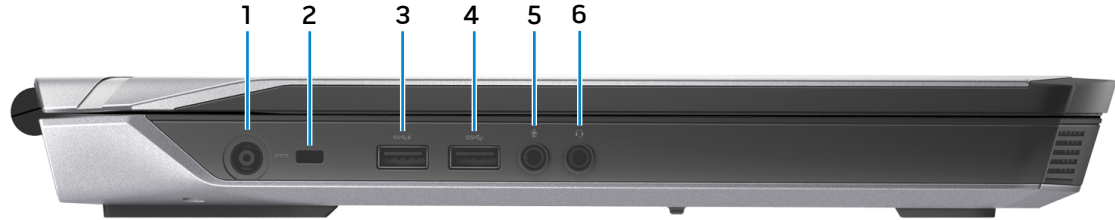


Base



Display

## Left



### 1 Power-adaptor port

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


### 2 Security-cable slot


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

### 3 USB 3.0 port with PowerShare

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

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

 **NOTE:** If the charge on your battery is less than 10%, then you must connect the power adapter to charge the devices connected to PowerShare port.

 **NOTE:** If a USB device is connected to the PowerShare port before the computer is powered off or in Hibernate state, you must disconnect and connect it again to enable charging.

### 4 USB 3.0 port

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

### 5 Microphone/Headphone port

Connect an external microphone to provide sound input or a headphone to provide sound output.

### 6 Headset port

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



Back



Left



Right



Base



Display

## Right



**1 Media-card reader**

Reads from and writes to media cards.

**2 USB 3.0 ports (2)**

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

**3 Network port**

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

The two lights next to the connector indicate the connectivity status and network activity.



Back



Left



Right

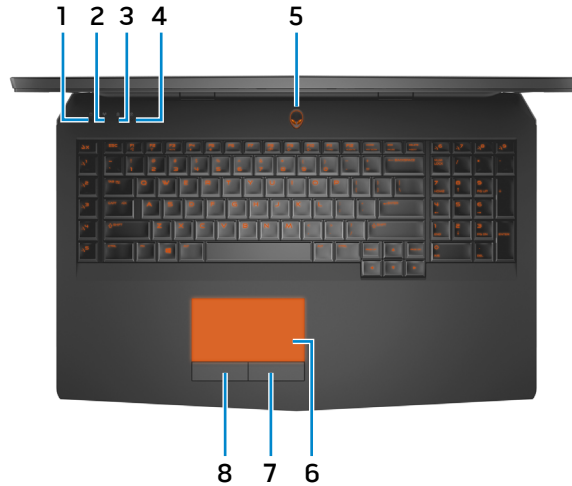


Base



Display

## Base



**1 Hard-drive activity light**

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

**2 Wireless-status light**

Turns on when wireless is turned on.

**3 Caps-lock status light**

Turns on when caps-lock is turned on.

**4 Num-lock status light**

Turns on when num-lock is turned on.

**5 Power button/Power-status light**

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 4 seconds to force shut-down the computer.

Indicates the power-state of the computer.

**6 Touch pad**

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

**7 Right-click button**

Press to right-click.

**8 Left-click button.**

Press to left-click.



## Display



Back



Left



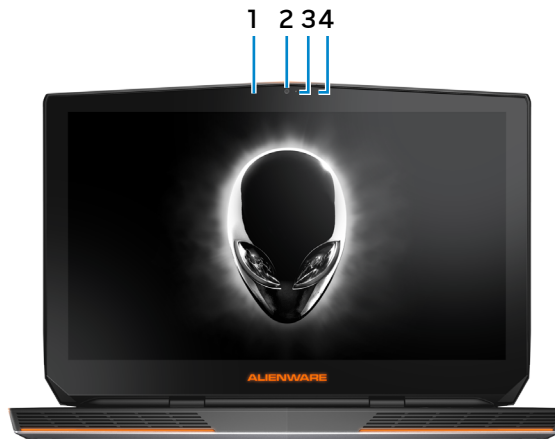
Right



Base



Display



**1 Left digital-array microphone**

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

**2 Camera**

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

**3 Camera-status light**

Turns on when the camera is in use.

**4 Right digital-array microphone**

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



# Specifications


## Dimensions and Weight

Width	430 mm (16.93 in)
Depth	292 mm (11.50 in)
Height	34.40 mm (1.35 in)

### Weight (maximum):

Non Touch	3.68 kg (8.11 lb)
Touch	3.88 kg (8.56 lb)


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



**Dimensions and Weight**



**System Information**



**Memory**




**Ports and Connectors**



**Communications**



**Video**



**Audio**




**Storage**




**Media-Card Reader**




**Display**



**Keyboard**




**Camera**



**Touchpad**



**Battery**



**Power Adapter**



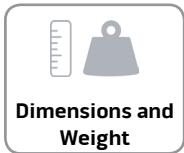
**Computer Environment**



# Specifications

## System Information

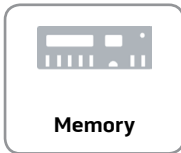
Computer model	Alienware 17 R2
Processor	4 <sup>th</sup> Generation Intel Core i7
L3 cache	up to 6 MB



**Dimensions and Weight**



**System Information**



**Memory**



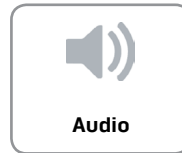
**Ports and Connectors**



**Communications**



**Video**



**Audio**



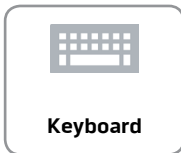
**Storage**



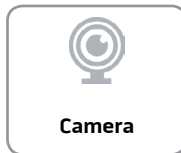
**Media-Card Reader**



**Display**



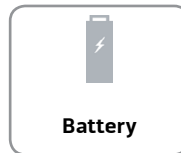
**Keyboard**



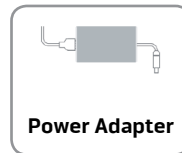
**Camera**



**Touchpad**



**Battery**



**Power Adapter**



**Computer Environment**

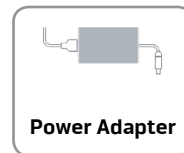
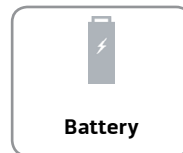
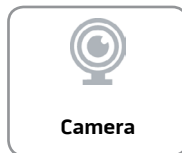
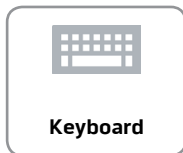
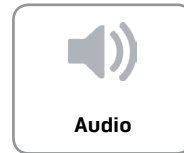
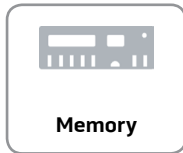
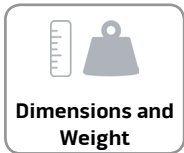




# Specifications

## Memory

Slot	Two SODIMM slots
Type	DDR3L
Speed	1600 MHz
Configurations supported	8 GB, 12 GB, and 16 GB





# Specifications

## Ports and Connectors

### External:

Network

One RJ45 port

USB

- One USB 3.0 port with PowerShare
- Three USB 3.0 ports

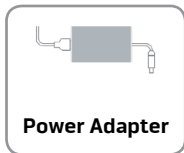
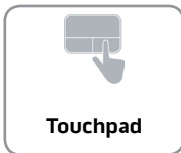
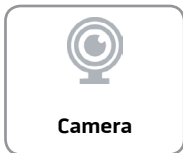
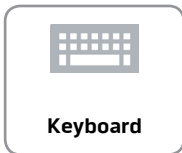
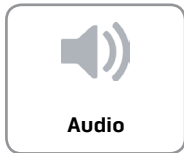
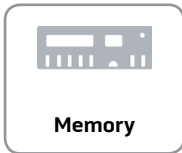
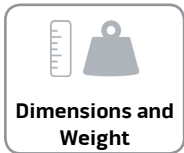
Audio/video

- One HDMI port
- One headphone and microphone combo (headset) port
- One microphone/headphone retaskable port
- One external graphics port
- One mini DisplayPort

### Internal:

M.2 card

One M.2 slot for Wi-Fi, Bluetooth combo, and Wireless Display (optional)





# Specifications

## Communications

Ethernet

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

Wireless

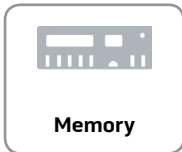
- Wi-Fi 802.11a/b/g/n/ac
- Bluetooth 4.0
- Wireless display (WiDi)
- Miracast (Windows 8.1)



**Dimensions and Weight**



**System Information**



**Memory**



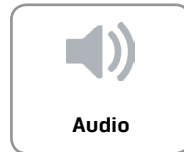
**Ports and Connectors**



**Communications**



**Video**



**Audio**



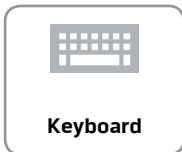
**Storage**



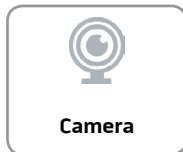
**Media-Card Reader**



**Display**



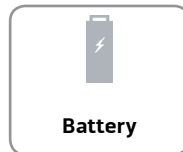
**Keyboard**



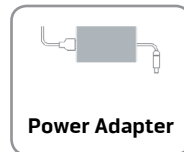
**Camera**



**Touchpad**



**Battery**



**Power Adapter**



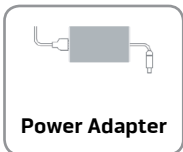
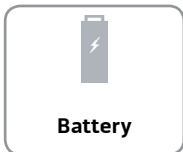
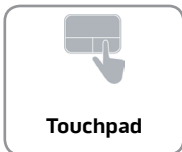
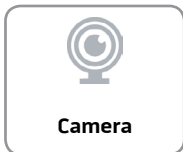
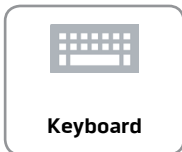
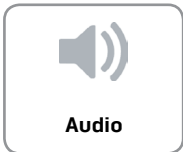
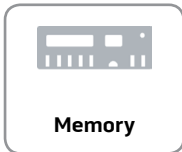
**Computer Environment**



# Specifications

## Video

Controller	<ul style="list-style-type: none"><li>Intel HD Graphics 4600</li><li>Intel Iris Pro Graphics 5200</li></ul>
Memory	Shared system memory
Discrete:	
Controller	<ul style="list-style-type: none"><li>NVIDIA GeForce GTX 970M</li><li>NVIDIA GeForce GTX 980M</li></ul>
Memory	up to 4 GB GDDR5

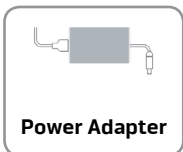
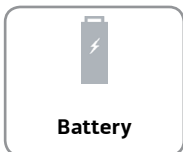
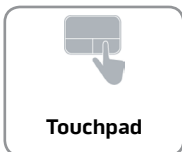
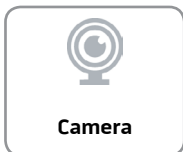
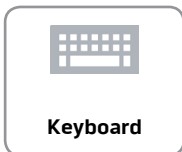
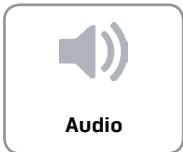
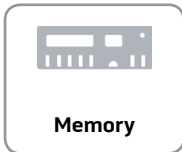




# Specifications

## Audio

Controller	Creative Sound Core 3D with SBX Pro Studio
Speakers	Two
Speaker output:	
Average	1.5 W
Peak	2 W
Subwoofer	One
Subwoofer output:	
Average	2 W
Peak	2.5 W
Microphone	Digital array-microphones
Volume controls	Media-control shortcut keys

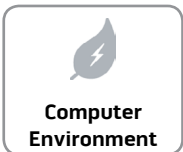
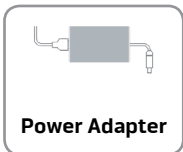
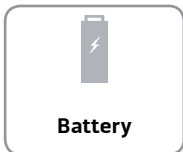
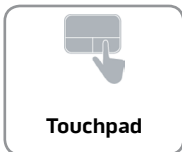
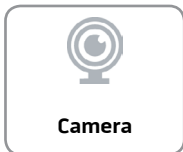
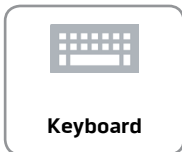
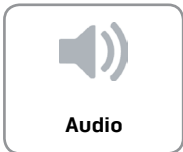
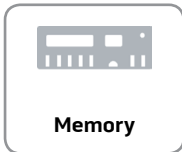




# Specifications

## Storage

Interface	<ul style="list-style-type: none"><li>• SATA 6 Gbps (SSD Slot 1 to slot 3)</li><li>• SATA 3 Gbps (SSD Slot 4)</li></ul>
Hard drive	One 2.5-inch drive
Solid-state drive	Four M.2 drives

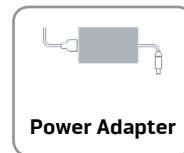
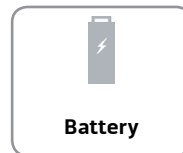
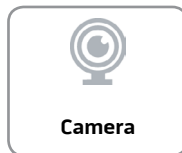
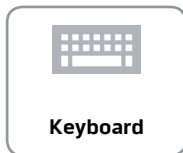
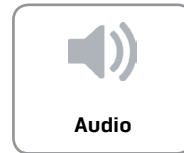
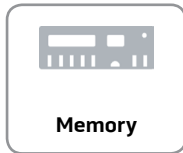
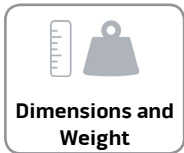




# Specifications

## Media-Card Reader

Type	One 3-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</li></ul>





# Specifications

## Display

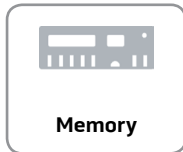
Type	<ul style="list-style-type: none"><li>17.3-inch Full HD</li><li>17.3-inch Full HD with Touch</li></ul>
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	245.50 mm (9.67 in)
Width	400 mm (15.75 in)
Diagonal	439.42 mm (17.3 in)
Pixel pitch	0.252 mm x 0.252 mm
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 140 degrees
Controls	Brightness can be controlled using shortcut keys.



Dimensions and Weight



System Information



Memory



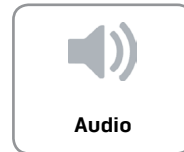
Ports and Connectors



Communications



Video



Audio



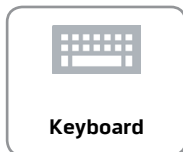
Storage



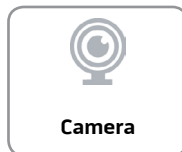
Media-Card Reader



Display



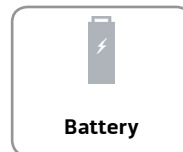
Keyboard



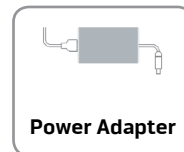
Camera



Touchpad



Battery



Power Adapter



Computer Environment





# Specifications

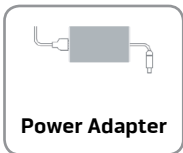
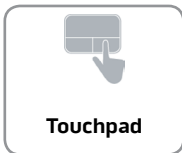
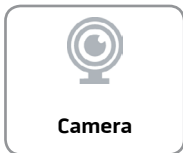
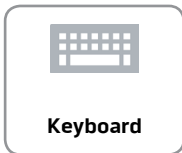
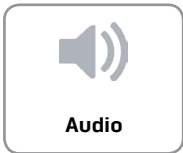
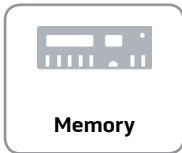
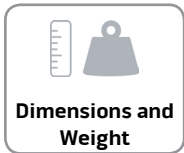
## Keyboard

Type Backlit keyboard

Shortcut keys Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.

**NOTE:** You can define the primary behavior of the shortcut keys by changing **Function Key Behavior** in BIOS setup program.

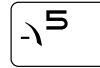
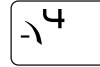
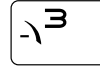
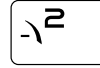
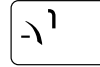
For more information, see "[Shortcut Keys](#)".





## Shortcut Keys

FN	+	F1	Allows to disconnect Alienware Graphics Amplifier
FN	+	F2	Disable/Enable wireless
FN	+	F3 MUTE	Mute audio
FN	+	F4	Decrease volume
FN	+	F5	Increase volume
FN	+	F8	Switch to external display
FN	+	F9	Decrease brightness
FN	+	F10	Increase brightness
FN	+	F11 T-PAD	Disable/Enable touchpad
FN	+	F12 ALIEN FX	Disable/Enable AlienFX



Macro keys

**NOTE:** You can configure modes and assign multiple tasks for the macro keys on the keyboard.



# Specifications

## Camera

### Resolution:

Still image 2.07 megapixel

Video 1920 x 1080 (Full HD) at 30 fps (maximum)

Diagonal viewing angle 74 degrees



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



Media-Card Reader



Display



Keyboard



Camera



Touchpad



Battery



Power Adapter



Computer Environment



# Specifications

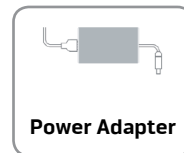
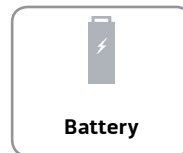
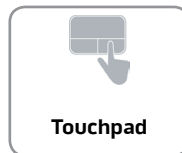
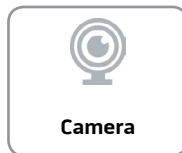
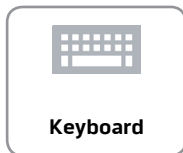
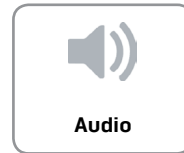
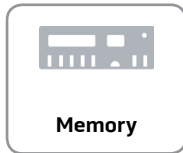
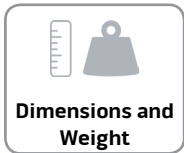
## Touchpad

### Resolution:

Horizontal	1727 dpi
Vertical	1092 dpi

### Dimensions:

Width	100 mm (3.94 in)
Height	56 mm (2.20 in)

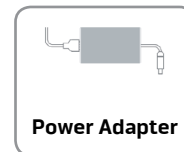
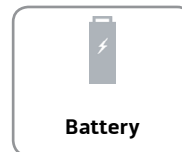
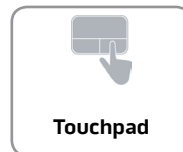
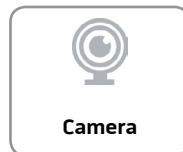
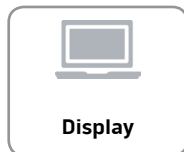
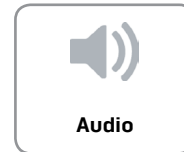
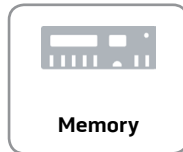




# Specifications

## Battery

Type	8 cell Lithium-ion 92 WHr
Dimensions:	
Width	383.20 mm (15.09 in)
Depth	79.05 mm (3.11 in)
Height	19.80 mm (0.78 in)
Weight (maximum)	0.516 kg (1.14 lb)
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	Within 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





# Specifications

## Power Adapter

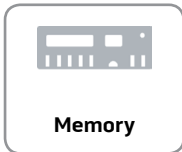
Type	180 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current	2.34 A/2.50 A
Output current	9.23 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating	0°C to 40°C (32°F to 104°F)
Storage	–40°C to 70°C (–40°F to 158°F)



**Dimensions and Weight**



**System Information**



**Memory**



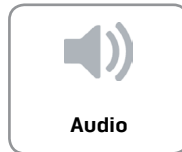
**Ports and Connectors**



**Communications**



**Video**



**Audio**



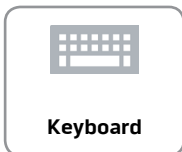
**Storage**



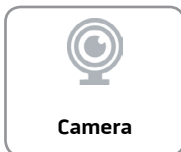
**Media-Card Reader**



**Display**



**Keyboard**



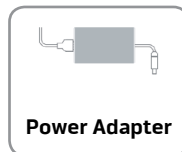
**Camera**



**Touchpad**



**Battery**



**Power Adapter**



**Computer Environment**



# Specifications

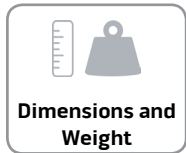
## Computer Environment

Airborne contaminant level	G1 as defined by ISA-S71.04-1985	
	<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.

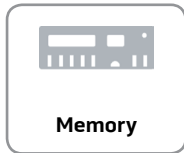
‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



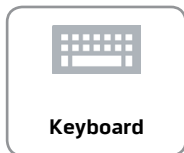
Storage



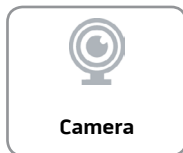
Media-Card Reader



Display



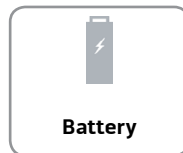
Keyboard



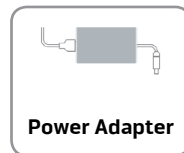
Camera



Touchpad



Battery



Power Adapter



Computer Environment