

## Specifications

© 2013 Dell Inc.

Alienware™, AlienFX®, Alienware TactX™, and the AlienHead logo are trademarks or registered trademarks of Alienware Corporation. Dell™ is a trademark of Dell Inc. Intel® is a registered trademark and Core™ is a trademark of Intel Corporation in the U.S. and other countries. Bluetooth® is a registered trademark owned by Bluetooth SIG, Inc. and is used by Dell under license. Microsoft® is either a trademark or registered trademark of Microsoft Corporation in the United States and/or other countries. Blu-ray™ is a trademark owned by the Blu-ray Disc Association (BDA).

2013 - 10

Regulatory Model: P18E | Type: P18E001

Computer Model: Alienware 17 R1

## Dimensions

---

Height	43.13 mm to 48.46 mm (1.70 inches to 1.90 inches)
Width	413.60 mm (16.28 inches)
Depth	299 mm (11.77 inches)
Weight	4.13 kg (9.11 lb) <b>NOTE:</b> The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

## System Information

---

Computer model	Alienware 17
Processor	Intel Core i7 (4 <sup>th</sup> generation)
L1 cache	256 KB
L2 cache	1024 KB
L3 cache	Up to 8 MB
System chipset	Intel HM87

## Memory

---

Connectors	Four SODIMM connectors
Type	Dual-channel DDR3L
Speed	Up to 1600 MHz
Configurations supported	8 GB, 12 GB, 16 GB, 24 GB, and 32 GB

## Communications

---

Network adapter	10/100/1000 Mbps Ethernet LAN on Motherboard (LOM)
Wireless	<ul style="list-style-type: none"><li>• Wi-Fi 802.11 a/b/g/n/ac</li><li>• Bluetooth 4.0 LE</li></ul>

## Audio

---

Controller	Realtek ALC3661 with Dolby Home Theatre Version 4
Speaker	Two 5-watt Klipsch-powered speakers
Internal microphone	Dual digital-array microphones in the camera assembly
Volume controls	Program menus and keyboard media-control keys

## Video

---

### Controller:

Integrated	Intel 4600 series
Discrete	<ul style="list-style-type: none"><li>▪ NVIDIA GeForce GTX765M</li><li>▪ NVIDIA GeForce GTX770M</li><li>▪ NVIDIA GeForce GTX780M</li></ul>

### Memory:

Integrated	Shared system memory
Discrete	Up to 4 GB

## Storage

---

Interface	SATA 6 Gbps
Hard drives	Up to three 2.5-inch hard drives or solid-state drives <b>NOTE:</b> The third hard drive/solid-state drive is optional and can be installed in the optical-drive bay.
mSATA	One mSATA full mini-card
Optical drive	One 12.70 mm drive
Drives supported	<ul style="list-style-type: none"><li>▪ DVD+/-RW</li><li>▪ Blu-ray RW</li></ul>

## Media-card reader

---

Type	One 7-in-1 slot
Cards supported	<ul style="list-style-type: none"><li>▪ SD card</li><li>▪ SD Extended Capacity (SDXC) card</li><li>▪ MultiMedia Card (MMC)</li><li>▪ MultiMedia Card plus (MMC+)</li><li>▪ Memory Stick</li><li>▪ Memory Stick PRO</li><li>▪ High-Capacity SD (SDHC) card</li></ul>

## Display

---

Type	<ul style="list-style-type: none"><li>▪ 17.3-inch HD+</li><li>▪ 17.3-inch full HD</li><li>▪ 17.3-inch full HD with TrueLife and NVIDIA 3D Vision support (120 Hz)</li></ul>
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	215 mm (8.46 inches)
Width	382 mm (15.04 inches)
Diagonal	439 mm (17.28 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Pixel pitch	0.252 mm
Controls	Brightness can be controlled through keyboard shortcuts

## Keyboard

---

Type	Alienware TactX 17 backlit keyboard
------	-------------------------------------

## Camera

---

Resolution:	
Still image	2.0 megapixels
Video (maximum)	Full HD (1080p) at 30 fps
Focusing distance	30 mm–300 mm
Diagonal viewing angle	66 degrees

## Touchpad

Type	Backlit touchpad
Resolution:	
Horizontal	1092 dpi
Vertical	1727 dpi
Dimensions:	
Height	56 mm (2.20 inches)
Width	100 mm (3.94 inches)

## Battery

Type	8-cell "smart" lithium ion (86 WHr)
Dimensions:	
Height	19.70 mm (0.78 inch)
Width	170.20 mm (6.70 inches)
Depth	76.35 mm (3 inches)
Weight	0.47 kg (1.03 lb)
Voltage	14.80 VDC
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

## Ports and Connectors

---

### External:

Network	One RJ45 port
USB	<ul style="list-style-type: none"><li>▪ Three USB 3.0 ports</li><li>▪ One USB 3.0 port with PowerShare</li></ul>
Display	<ul style="list-style-type: none"><li>▪ One HDMI in/out port</li><li>▪ One mini DisplayPort</li></ul>
Audio	<ul style="list-style-type: none"><li>▪ One headset (microphone and headphone combo) port</li><li>▪ One headphone/speaker port</li><li>▪ One microphone port</li></ul>

### Internal:

Mini-card	<ul style="list-style-type: none"><li>▪ One half mini-card slot</li><li>▪ One full mini-card slot</li></ul>
-----------	---

## Power Adapter

---

Type	<ul style="list-style-type: none"><li>▪ 180 W</li><li>▪ 240 W</li></ul>
Input voltage	100 VAC–240 VAC
Input current (maximum)	2.34 A/2.50 A/3.50 A
Input frequency	50 Hz–60 Hz
Output current	9.23 A/12.30 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)

## Computer Environment

---

### Temperature range:

Operating	0 °C to 35 °C (32 °F to 95 °F)
Storage	−40 °C to 65 °C (−40 °F to 149 °F)

### Relative humidity (maximum):

Operating	10 % to 90 % (non-condensing)
Storage	10 % to 95 % (non-condensing)

### Vibration (maximum):

Measured using a random vibration spectrum that simulates user environment.

Operating	0.66 GRMS
Storage	1.30 GRMS

### Shock (maximum):

Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage.

Operating	110 G
Storage	160 G

### Altitude (maximum):

Operating	−15.2 m to 3048 m (−50 ft to 10,000 ft)
Storage	−15.2 m to 10,668 m (−50 ft to 35,000 ft)

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