ALIENWARE 18

Specifications

Dimensions

Height	53.58 mm (2.10 inches)
Width	456.50 mm (17.97 inches)
Depth	327.89 mm (12.91 inches)
Maximum weight (with 8-cell battery)	5.83 kg (12.85 lbs) **NOTE**: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

System Information

Computer model	Alienware 18
Processor	Intel Core i7 (4th generation)
L1 cache	256 KB
L2 cache	1024 KB
L3 cache	Up to 8 MB
System chipset	Intel HM87

Memory

Connectors	Four internally-accessible SODIMM connectors
Capacities	2 GB, 4 GB, and 8 GB
Type	Dual-channel DDR3L
Speed	Up to 1600 MHz
Configurations supported	8 GB, 12 GB, 16 GB, 24 GB, and 32 GB

Ports and Connectors

Network	One RJ45 port
USB	• Three USB 3.0 ports • One USB 3.0 port with PowerShare
Display	• One HDMI In/Out port • One mini DisplayPort
Audio	• One headphones and microphone combo port • One headphones/speakers port • One microphone port
Mini-card	• One half mini-card slot • Two full mini-card slots

Communications

Network adapter	10/100/1000 Mbps Ethernet LAN on Motherboard (LOM)
Wireless	• Wi-Fi 802.11 a/b/g/n/ac • Bluetooth 4.0 LE

Video

Controller:	
Integrated	Intel 4600 series
Discrete	NVIDIA GeForce GTX765M/770M/780M SLI
Memory:	
Integrated	System shared memory
Discrete	Up to 4 GB

Audio

Controller	Realtek ALC3661 with Dolby Home Theater
Speakers	Klipsch powered 2.1 speaker system (stereo speakers with subwoofer)
Internal microphone	Dual digital-array microphones in the camera assembly
Volume controls	Program menus and keyboard media-control keys

Storage

Type	SATA
Interface	SATA 3.0 (6 Gbps)
Hard drives	• One mSATA drive • Up to three hard drives (2.5-inches) or Solid State Drives **NOTE**: The third hard drive/Solid State Drive is optional and can be installed in the optical-drive bay.
Optical drive	One 12.7 mm SATA drive
Drives supported	• DVD+/-RW • Blu-ray RW

Media-card reader

Type	One 7-in-1 slot
Cards supported	- Secure Digital (SD) memory card - SD Extended Capacity (SDXC) card - MultiMedia Card (MMC) - MultiMedia Card plus (MMC+) - Memory Stick - Memory Stick PRO - High-Capacity SD (SDHC) card

Display

Type	18.4-inch full HD
Maximum resolution	1920 x 1080
Dimensions:	
Height	267 mm (10.51 inches)
Width	443.90 mm (17.47 inches)
Diagonal	467.36 mm (18.40 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Pixel pitch	0.213 mm
Controls	Brightness can be controlled through keyboard shortcuts

Keyboard

Type	Alienware TactX 18 backlit keyboard

Camera

Resolution:	
Still image	2.1 megapixels
Video	1920 x 1080 (HD) at 30 fps (maximum)
Diagonal viewing angle	68.2 degrees

Touchpad

X/Y position resolution (graphics table mode):	
Horizontal	1092 dpi
Vertical	1727 dpi
Dimensions:	
Height	56 mm (2.20 inches)
Width	100 mm (3.93 inches)

Battery

Type	8-cell "smart" lithium ion (86 WHr)
Dimensions:	
Height	170.20 mm (6.70 inches)
Width	76.35 mm (3.00 inches)
Depth	19.70 mm (0.77 inch)
Weight	0.465 kg (1.02 lbs)
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

Power Adapter

Type	240 W/330 W
Input voltage	100 VAC–240 VAC
Input current (maximum)	3.50 A/4.40 A
Input frequency	50 Hz–60 Hz
Output current	12.3 A/16.9 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)

Maximum vibration (measured using a random vibration spectrum that simulates user environment):

Operating	0.66 GRMS
Storage	1.30 GRMS

Maximum shock (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