ALIENWARE X51 R2

Specifications

Dimensions

Height	front — 343.00 mm (13.50 inches)
	back — 318.50 mm (12.53 inches)
Width	95.00 mm (3.74 inches)
Depth	318.00 mm (12.52 inches)
Minimum Weight	5.49 kgs (12.10 lbs)
	NOTE: The weight of your desktop will vary depending on the configuration ordered and the manufacturing variability.

System Information

Model	Alienware X51 R2
Processor	▪ Intel Core i7 - 4770
	▪ Intel Core i5 - 4430
L2 cache	256 KB per core
L3 cache	
Intel Core i7 4770	8 MB
Intel Core i5 4430	6 MB
System chipset	Intel H87 Express chipset
DMI speed	5.0 GT/s
Processor data width	64 bits

Memory

Connectors	two internally-accessible DDR3 DIMM sockets
Capacities	2 GB, 4 GB, and 8 GB
Memory type	DDR3 SDRAM (Non-ECC)
Memory speed	1600 MHz
Memory configurations supported	4 GB, 6 GB, 8 GB, and 16 GB
Minimum	2 GB
Maximum	16 GB

Ports

Back Panel Ports	
Network adapter	One RJ45 connector
USB	• Two USB 2.0 ports
	• Four USB 3.0 ports
Audio	• Five audio output/headphone ports
	• One audio input/microphone ports
	• One optical S/P DIF port
	• One coaxial S/P DIF port
Video	One HDMI port
Front Panel Connectors	
USB	Two USB 3.0 ports
Audio	• One audio output/headphone port
	• One audio input/microphone port

Communications

Network adapter	10/100/1000 Mbps integrated network adapter
Wireless	802.11 b/g/n integrated wireless local area network

Video

Video controller:	
Integrated	Intel High Definition Multimedia Interface (HDMI)
Discrete	PCI Express x16, single-/dual-width video cards
Video memory:	
Discrete	1-GB Graphics DDR5
	NOTE: The video memory of your desktop will vary depending on the configuration ordered.

Audio

Type	Integrated 7.1 channel, Intel High Definition Audio with S/PDIF support
Controller	Realtek ALC3861 codec

Drives

Externally accessible	One 5.25-inch drive bay for a Blu-ray Disc combo, DVD+/-RW super multi-drive (slot loaded)
Internally accessible	• One 3.5-inch drive bay for a SATA hard drive • Two 2.5-inch drive bay for SATA hard drives (optional)

Power

Voltage	100 VAC – 240 VAC
Wattage	240 W or 330 W

Computer Environment

Temperature range:	
Operating	10 °C to 35 °C (50 °F to 95 °F)
Storage	−10 °C to 45 °C (14 °F to 113 °F)
Relative humidity (maximum)	20% to 80% (noncondensing)

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

Operating	0.25 GRMS
Storage	2.2 GRMS

NOTE: 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 pluse for storage)

Operating	40 G for 2 ms with a change in velocity of 51 cm/s (20 inches/s)
Storage	50 G for 26 ms with a change in velocity of 813 cm/s (320 inches/s)
Altitude (maximum):	
Operating	−15.2 m to 3,048 m (−50 ft to 10,000 ft)
Storage	−15.2 m to 10,668 m (−50 ft to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985