

ALIENWARE® AURORA COMPREHENSIVE SPECIFICATIONS

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Model: DOIM

Type: DOIM001

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Computer Model

Alienware Aurora/Aurora ALX

Dimensions

Height (with top vents open)	426 mm to 447 mm (16.77 inches to 17.59 inches)
Width	250 mm (9.84 inches)
Depth	645 mm (25.39 inches)
Average weight	22.09 kg (48.7 lb)

NOTE: The weight of your desktop will vary depending on the configuration and the manufacturing variability.

Processor and System Chipset

Processor	Intel® Core™ i7
L2 cache	256 KB
L3 cache	up to 8 MB
External bus frequency	133 MHz
System chipset	Intel X58 Express
Data bus bandwidth	up to 6.4 GT/s
DRAM bus width	64 bits
Processor address bus width	64 bits
RAID support (internal SATA drives only)	RAID 0 RAID 1 RAID 5 RAID 10
BIOS chip (NVRAM)	32 MB

Memory

Connectors	six internally-accessible DDR3 DIMM sockets
Capacities	1 GB, 2 GB, and 4 GB
Memory types	1066 MHz and 1333 MHz DDR3 1600 MHz XMP
<i>1066 MHz and 1333 MHz</i>	
Minimum	3 GB
Maximum	24 GB
<i>1600 MHz XMP</i>	
Minimum	3 GB
Maximum	12 GB (one DIMM module per memory channel)

Back Panel Connectors

IEEE 1394	one 6-pin serial connector
Network adapter	one RJ45 connector
USB	six 4-pin USB 2.0-compliant connectors
eSATA	one 4-pin eSATA connector
S/PDIF	one optical and one coaxial output connector
Audio	7.1 channel line output, stereo microphone and stereo line input connectors

Top Panel Connectors

IEEE 1394	one 6-pin serial connector
USB	two 4-pin USB 2.0-compliant connectors
Audio	stereo headphone and microphone connectors

Communications

Network adapter	10/100/1000 Ethernet LAN on system board
Wireless (optional)	WiFi/Bluetooth wireless technology

Drives

Externally accessible	three 5.25-inch drive bays for Blu-ray Disc™ combo, Blu-ray Disc Writer (6x), DVD+/-RW, or DVD Combo
Internally accessible	four 3.5-inch drive bays for SATA-II hard drives

Audio

Type	integrated 7.1 channel, High Definition Audio with S/PDIF support, Realtek 888 codec
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Video

Type	up to two, double-wide, full length, PCI Express x16, graphic adapters
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Expansion Bus

<i>PCI Express x1:</i>	
Connectors	two
Connector size	36-pin connectors
<i>PCI Express x16:</i>	
Connectors	two
Connector size	164-pin connectors

Power

Voltage	100-240V AC
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NOTE: For information on voltage settings, see the safety information shipped with your computer.

Computer Environment

Temperature ranges:

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)

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

Operating	0.25 GRMS
Non-Operating	2.2 GRMS

Maximum shock (measured with hard drive in head-parked position and a 2-ms half-sine pulse):

Operating	40G for 2 ms with a change in velocity of 20 in/s (51 cm/s)
Non- Operating	50G for 26 ms with a change in velocity of 320 in/s (813 cm/s)

Altitude (maximum):

Operating	–15.2 to 3,048 m (–50 to 10,000 ft)
Storage	–15.2 to 10,668 m (–50 to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985