

ALIENWARE® AREA-51 COMPREHENSIVE SPECIFICATIONS

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Model: P08G

Type: P08G001

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COMPREHENSIVE SPECIFICATIONS

Computer Model

Alienware Area-51/Area-51 ALX

Processor and System Chipset

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

Memory

Connectors	three internally-accessible DIMM sockets
Capacities	2 GB and 4 GB
Memory types	1066 MHz DDR3, 1333 MHz DDR3, and 1600 MHz XMP
Minimum	6 GB
Maximum	12 GB

Back Panel Connectors

IEEE 1394	one 6-pin serial connector
Network adapter	two 10/100/1000 Mbps RJ45 connectors
USB	six 4-pin USB 2.0-compliant connectors
eSATA	one 4-pin eSATA connector
S/PDIF	one optical and one coaxial output connector
PS/2	two 6-pin PS/2 connectors
Audio	7.1 channel line output, stereo microphone and stereo line in connectors
Expansion slots	eight full-height expansion slot openings to six physical expansion slot connectors on the system board

Top Panel Connectors

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

Communications

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

Video

Type	three PCI Express x16 connectors for full-length add-in graphics card(s)
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Audio

Type	integrated 7.1 channel, High Definition Audio with S/PDIF support, Realtek ALC888 codec
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Expansion Bus

PCI	Connectors	one
	Connector size	124-pin connector
PCI Express x1	Connectors	two
	Connector size	36-pin connector
PCI Express x16	Connectors	three
	Connector size	164-pin connector
PCI Express x16 lane information		

	Number of lanes		
Connectors used	PCI_E1	PCI_E3	PCI_E5
PCI_E1 and PCI_E3	16	16	4
PCI_E1, PCI_E3, and PCI_E5	16	8	8

NOTE: For the location of the PCI Express x16 connectors, see the *Service Manual* at support.dell.com/manuals.

Drives

Externally accessible	three 5.25-inch drive bays for Blu-ray Disc™ combo, Blu-ray Disc Writer, DVD+/-RW, or DVD Combo one 3.5-inch drive bay for Media Card Reader
Internally accessible	six 3.5-inch drive bays for SATA-II hard drives

Power

Wattage	1000 W or 1100 W
Voltage	100-240 V AC, 50-60 Hz

Dimensions

Width	249 mm (9.8 inches)
Depth	635 mm (25 inches)
Height	with top vents closed 557.6 mm (22 inches) with top vents open 595.5 mm (23.4 inches) added height with the rear foot deployed 15.4 mm (0.6 inches)
Weight (starting at)	31.7 kg (70 lb)

NOTE: The weight of your desktop is variable depending on the configuration and the manufacturing variability.

Computer Environment

Temperature range:

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

Relative humidity (maximum):

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

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

Operating	0.66 GRMS
Storage	1.3 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 to 3048 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