



## User Guide

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# Specifications

### Dell™ XPS™ 630i Owner's Manual

**NOTE:** Offerings may vary by region. For more information regarding the configuration of your computer, click **Start** → **Help and Support** and select the option to view information about your computer.

Processor	
Processor type	Intel® Core™ 2 Duo Intel Core 2 Quad Intel Core 2 Extreme (dual and quad-core processor)
Cache	at least 1 MB
FSB speed	1066/1333 MHz

System Information	
System chipset	NVIDIA® nForce 650i SLI
Northbridge	C55
Southbridge	MCP51
BIOS chip	8 MB
NIC	integrated network interface capable of 10/100/1000 communication

Memory	
Memory module connector	four user-accessible DDR2 sockets
Memory module capacities	128, 256, 512 MB, 1 GB, or 2 GB non-ECC
Memory type	800 and 667-MHz DDR2 unbuffered SDRAM; SLI memory
Minimum memory	1 GB
Maximum memory	8 GB

Expansion Bus	
Bus type	PCI Express x1, x8, and x16 PCI 32-bit
PCI (SLOT5 and SLOT6)	
connector	two
connector size	124 pins
connector data width (maximum)	32 bits
bus speed	33 MHz
PCI Express (SLOT2)	
connector	one x1
connector size	36 pins
connector data width (maximum)	one PCI Express lane
Bus throughput	x1 slot bidirectional speed – 2.5 Gbps
PCI Express (SLOT3)	
connector	one x8
connector size	98 pins
connector data width (maximum)	1 PCI Express lane
PCI Express (SLOT1 and SLOT4)	
connector	two x16



connector size	164 pins
connector data width (maximum)	8 PCI Express lanes  <b>NOTE:</b> SLOT 1 is the primary GFX slot and SLOT 4 is the secondary GFX slot.

<b>Ports and Connectors</b>	
<b>External Connectors</b>	
Audio	microphone, line-in, line-out, side-surround, center/LFE, rear-surround
IEEE 1394	6-pin serial connector
Network adapter	RJ-45 port
PS/2 keyboard/mouse	6-pin mini-DIN connector
USB	4-pin USB 2.0-compliant connector
S/PDIF	Toslink optical connector
<b>Systemboard Connectors</b>	
IDE drive	one 40-pin connector
Serial ATA	four 7-pin connectors
Floppy drive	one 34-pin connector
Fan	three 4-pin connectors
PCI	two 124-pin connectors
PCI Express x1	one 36-pin connector
PCI Express x8	one 98-pin connector
PCI Express x16	two 164-pin connector

<b>Controls and Lights</b>	
Power control	push button
Power light	white light — Solid white for power on state  blinking white light — Blinking white for power-saving state
Hard-drive access light	white
Link integrity light (on integrated network adapter)	green light — A good connection exists between a 10-Mbps network and the computer.  orange light — A good connection exists between a 100-Mbps network and the computer.  yellow light — A good connection exists between a 1-GB (1000-Mbps) network and the computer.  off (no light) — The computer is not detecting a physical connection to the network.
Power supply diagnostic LED	green light — Indicates power availability for power supply.  off (no light) — Indicates no power available for the power supply.
Activity light (on integrated network adapter)	yellow blinking light — Indicates activity on the network.  off (no light) — Indicates no activity on the network.
Standby power light	AUX_PWR on the system board
Front panel LEDs	seven multi-colored LEDs provide illumination for the front of the computer  <b>NOTE:</b> The color of the LEDs can be adjusted using Windows Nvidia ESA light affects software.
Back panel LEDs	two multi-colored lights provide illumination for the I/O panel on the back of the computer  <b>NOTE:</b> The color of the LEDs can be adjusted using Windows Nvidia ESA light affects software.

<b>Video</b>	
Video type	PCI Express

<b>Audio</b>	
Audio type	HDA 7.1 channel

<b>Power</b>	
DC power supply	 <b>CAUTION:</b> To reduce the risk of fire, electric shock, or injury, do not overload an electrical outlet, power strip, or convenience receptacle. The total ampere rating of all products plugged into an electrical outlet, power strip, or other receptacle should not exceed 80 percent of the branch circuit rating.
Wattage	750 W
Heat dissipation	750 W: 2559.1 BTU/hr   <b>NOTE:</b> Heat dissipation is calculated based upon the power supply rating.
Voltage (see the safety instructions located in the <i>Product Information Guide</i> )	auto-sensing power supply—90 V to 265 V at 50/60 Hz
Backup battery	3-V CR2032 lithium coin cell

<b>Physical</b>	
Height	488 mm
Width	195 mm
Depth	560 mm

<b>Environmental</b>	
Temperature range:	
Operating	0° to 40°C (32° to 104°F)
Storage	-40° to 65°C (-40° to 149°F)
Relative humidity (maximum):	
Operating	10% to 90% (noncondensing)
Storage	5% to 95% (noncondensing)
Maximum vibration (using a random-vibration spectrum that simulates user environment):	
Operating	0.9 GRMS
Storage	1.3 GRMS
Maximum shock (measured with hard drive in head-parked position and a 2-ms half-sine pulse):	
Operating	122 G
Storage	163 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

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