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TechSpecs



Chipset	AMD980G		System Board Connectors(Cont.)	
Operating System	Tower	SFF	CASE_OPEN	One
	Win7 SP1 with IE 9 Starter	Win7 SP1 with IE 9 Starter	COM	One 16-pin connector
	Win7 SP1 with IE 9 Home Basic 32	Win7 SP1 with IE 9 Home Basic 32	CLR_CMOS	One for software and two for HW CLR_CMOS for software CMOS_HW1 for HW GPIO33_JP for HW
	Win7 SP1 with IE 9 Home Premium 32 /64	Win7 SP1 with IE 9 Home Premium 32 /64	Power Connection Interface	One 24-pin connector + one 4pin
	Win7 SP1 with IE 9 Professional 32 / 64	Win7 SP1 with IE 9 Professional 32 / 64	Internal Speaker Connector	One 2-pin connector
	Win7 SP1 with IE 9 Ultimate 32 / 64 - Eng only/special bid only	Win7 SP1 with IE 9 Ultimate 32 / 64 - Eng only/special bid only	Memory Slots	4
	Vista SP2 Business 32 - English and Japanese - Downgrade from Win7 - Special bid	Vista SP2 Business 32 - English and Japanese - Downgrade from Win7 - Special bid	Standard I/O Ports (Front)	
	XP Pro SP3 - Eng only - Downgrade from Win7 - Special bid only	XP Pro SP3 - Eng only - Downgrade from Win7 - Special bid only	High Speed USB 2.0	2
Processor	Sempron Athlon II x2 Athlon IIx3 Athlon IIx4 Phenom II x4 Phenom II X6 FX series		Microphone	1
Network Controller	Tower	SFF	Headphone	1
	Broadcom BCM5761 10Mbps, 100Mbps, 1000Mbps / PCIE Modem HR *	Broadcom BCM5761 10Mbps, 100Mbps, 1000Mbps / PCIE Modem LP *	Standard I/O Ports (Back)	
Memory			High Speed USB 2.0	6
DIMM Slots	4 (UDIMM)		Serial	1
Type	UDIMM DDR3		Parallel	by cable
Speed	1333MHz		PS/2	optional, via punching out
Modules Types Supported	2GB/4GB		Integrated VGA port	1
Min Memory	2GB		Integrated Display port	1
Max Memory	16GB		DVI	N/A
Bandwidth	up to 10.6GB/s		RJ45	1
Drive Bay Available	Tower	SFF	RJ11 (on selected model)	NO
3.5" Internal HDD Bay	2(HDD)	1(memory card reader)	IEEE 1394 (on selected models)	NO
5.25 External ODD Bay	2(ODD)	1	Microphone	1
HDD Support	2	1	Audio Line in	1
ODD Support	2	1	Audio Line out	1
Interfaces & Connectors			eSATA	NO
SATA Connectors	4		USB 3.0(on selected models)	NO
PATA Connectors	NO		PCI Express x1	Tower
Hard Drive Options			Available Slots	2 Full Height
Supported Types	Serial-ATA		Connector Size	36Pin
Available Drives	250GB / 320GB / 500GB /1TB 7200RPM SATA		Data Bus Width	500MB/s per Direction ; duplex 1GB/s
Bus Transfer Rate	600MB/s		Voltage	12V
Optical Drive Options			Power (Max)	25W
Supported Types	SATA DVD-ROM/SATA DVD-RW		PCI Express x16	Tower
Available Drives	SATA DVD-ROM/DVD Recorder Rambo		Available Slots	1 Full Height
System Board Connectors			Connector Size	164pin
Primary IDE Drive	No		Data Bus Width	8GB/s per Direction; duplex 16GB/s
Serial ATA	SATA3.0 x4		Voltage	12V
Floppy Drive	No		Power (Max)	75W
CPU Fan	One 4-pin connector		Power (Max)	45W
System Fan	One 4-pin connector		Graphic Card	Tower
Power Fan	One 4-pin connector		Integrated	ATI Radeon HD 4250
PCI	One 24-pin connector + one 4pin		Discrete	ATI Radeon HD5450/ATI Radeon HD6450/ Nvidia NVS300
PCI Express x1	2		ATI Radeon HD5450/ATI Radeon HD6450	ATI Radeon HD5450/ATI Radeon HD6450
PCI Express x16	1		Audio	
CD Drive Audio Interface	NO		Type	Integrated Audio
Front Panel	One 14-pin connector		Chipset	ALC662
Front Audio	One 14-pin connector		Stereo Conversion	24-bit DAC and 24-bit ADC
			Power Supply	

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Power Supply(Cont.)	Tower	SFF	Preloaded ThinkVantage® Suite (Cont.)
	320W 90plus 90% Active PFC / 280W Standard / 280W 85plus 85% ACTIVE PFC	240W Standart / 240W 85plus 85% ACTIVE PFC	Password Manager 3.2 - (Ready to Install) ThinkVantage System Update 4.0 Desktop Power Manager Lenovo Message Center Plus Simple Tap 1.3
Power Management			Certifications
ACPI Wake-up Event	System Wakes From		FCC DoC for North America VCCI certification for Japan BSMI certification for Taiwan EU/EFTA CE Mark & DoC Power line harmonics for Japan KC certification for Korea & MIC Mark C-Tick DoC for Australia & New Zeland UL/CUL DEMKO-GS IEC60950-1 CB Report/Certificate Saudi Arabia ICCP(SASO) Hong Kong SAR (CB report) Argentina S-mark EU/EFTA CE Mark & DoC China CCC Mark Singapore - PSB Nigeria - SONCAP Kenya - KEBS Mexico - NOM South Africa - SABS Russia GOST-R Mark (AR46) Israel (Done, under general license) Croatia - ZIK(Enable Process Only) Japan Energy Saving GreenGuard Japan PC Green Label China Energy Saving Taiwan Green Mark
Power Button	suspend or soft-off		
Wake OnLAN	suspend or soft-off		
PME	suspend or soft-off		
Chassis	Tower	SFF	
Height	414mm	99.7mm	
Width	175mm	337mm	
Depth	442mm	369mm	
Weight	11kg	7.5kg	
Volume (Approximate)	25L	11L	
Displays			* Please contact your local Lenovo Sales Representatives for more certifications in your area
LCD	ThinkVision L2440x Wide		
	ThinkVision L2440p Wide		
	ThinkVision L2240p Wide		
	ThinkVision L1900p		
	ThinkVision L1940p Wide		
	ThinkVision L1700p		
	ThinkVision L1900		
	ThinkVision L1940 Wide (EMEA only)		
ThinkVision L197 Wide2 (Note: 2. planned to withdraw at EMEA in Oct 2008, and replaced by L1940 Wide)			
Peripherals	Tower	SFF	
Keyboard	Lenovo Preferred Pro Full Size Keyboard Lenovo Preferred Pro Fingerprint Keyboard Lenovo Preferred Pro fullsize PS2 Keyboard		
Mouse	Optical Wheel Mouse PS/2		
Card Readers	BLD memory card reader400mm-F	BLD memory card reader530mm-PCBA	
Additional Storage	No		
Environment Attributes			
Temperature	Operating: 10°C - 35°C (50F to 95F) Non-operating: -40°C - 60°C (-40F to 140F) Wet bulb temperature: 25°C(max)(Operating), 40°C (max) (Non-Operating)		
Relative Humidity	Operating: 20 ~ 80 % non-condensing Non-operating: 20 ~ 90 % non-condensing		
Max Vibration	1.04 G at 2 to 200 Hz at 1 octave/min (With Package) Non-operating: 1.04 G at 2 to 200 Hz at 1 octave/min Operation: 0.27 G at 5 to 500 Hz at 0.5 octave/min, Random(without LCD panel)		
Max Shock	Operating: Bottom half-sine pulse with a change in velocity of 37.4 cm/sec (14.7 inches/sec) Non-operating: 45-G faired square wave with a velocity change of 441 cm/sec (173.7 inches/sec)		
Max Altitude	Operating: -15.2 to 3048 m (-50 to 10,000 ft) Non-operating: -15.2 to 10,668 m (-50 to 35,000 ft)		
Preloaded Software in Windows 7	Acrobat reader Biztree "Business-in-a-Box" (Ready to Install) Leadertech Resistration Lenovo Users Guide and Viewer Japan i-Filter, Kingsoft Dictionary on JP/Eng preload Skype Application 5.0		
Preloaded ThinkVantage® Suite	ThinkVantage Rescue and Recovery 4.3 (Ready to Install) Product Recovery 9.0		

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