

THINKCENTRE

M82

TECHSPECS



	Tower	Small Form Factor		
Product Name	ThinkCentre M82		IEEE 802.11b/g/n (2.4GHz) / Antenna 2Tx2R / PCIe half-mini card with BT	
Form Factor	Tower/Small Form Factor		IEEE 802.11b/g/n (2.4GHz) / Antenna 1Tx1R / PCIe half-mini card	
Operating System	Genuine Windows® 7 Home Basic 32 (Emerging market only)		Bays & Connectors	
	Genuine Windows® 7 Home Premium 32		3.5' Internal Bay	2 (HDD)
	Genuine Windows® 7 Home Premium 64		3.5' External Bay	1 (HDD)
	Genuine Windows® 7 Professional 32		5'25 External Bay	1 (Memory Card Reader)
	Genuine Windows® 7 Professional 64		HDD Support	2 (ODD)
	Genuine Windows® 7 Professional with Windows XP Professional Downgrade preinstalled (US only)		ODD Support	2 (2nd optional)
Chipset	Intel® Q75		SATA Connectors	3 (1 x SATA III, 2 x SATA II) / 1 eSATA (SATA II)
Processor	Intel® Core™ i7-3770/3770S (3rd generation)		Slots	
	Intel® Core™ i5-3570/3570S/3550/3550S/3470/3470S (3rd generation)		Available Slots	2 x Full Height
	Intel® Core™ i3-2120/2130 (2nd generation)		Pin Count	120 pins
	Intel® Pentium™ G630/G850/G860 (2nd generation)		Bandwidth	32 bit / 33 MHz / 133MB/s
	Intel® Celeron™ G460/G530/G540 (2nd generation)		Voltage	3.3V
Memory			PCI Express x1	
DIMM Slots	4		Available Slots	1 x Full Height
Type	DDR3 (UDIMM)		Pin Count	36 pins
Speed	Up to 1600MHZ ²		Bandwidth	500MB/s per direction, 1GB/s duplex
Module Type Supported	2GB/4GB/8GB		Voltage	12V
Max Memory	up to 32GB		PCI Express x16	
Graphics			Available Slots	1 x Full Height
Integrated	Intel® HD Graphics		Pin Count	164 pins
	ATI Radeon HD7450		Bandwidth	8GB/s per direction, 16GB/s duplex
Discrete ²	ATI Radeon HD7350		Voltage	12V
	NVIDIA NVS300(DMS59)		I/O Ports (Front)	
Peripherals			USB (Type)	2 x USB 2.0
Keyboard	Lenovo® Preferred Pro Full-size Keyboard		Microphone	1
	Lenovo® Preferred Pro Fingerprint Keyboard		Headphone	1
	Preferred Pro fullsize PS2 Keyboard		I/O Ports (Rear)	
Mouse	Lenovo Enhanced Optical USB Mouse		USB (Type)	4 x USB 3.0, 2 x USB 2.0
	Optical Wheel Mouse PS2		Display (Input)	1 x VGA, Support stand-alone monitor mode
Card Reader	Media Card Reader	Slim Media Card Reader	Display (Output)	1 x Display Port, Support Multi-Display
Speaker	Integrated 1.5W x 1 (TW) 1W x 1(SFF)		COM	1, 2nd optional
Hard Drive			PS/2	1, optional via punching out
Supported Types	Serial-ATAIII		LAN (RJ45)	1
Bus Transfer Rate	6 Gb/s		AC-IN	1
Available Drives	7200rpm 250GB/320GB/500GB/1TB		Security	
	10000rpm 300GB ³		Security Platform Chip	Trusted Platform Module (TPM 1.2)
	128GB SSD		Physical Security	Kensington Lock / Cable Lock / Intrusion Switch/Padlock ⁵
	OPAL SSC HDD 250G ³		Ease of Use	
Optical Drive			Chassis	Yes
Supported Types	Serial-ATAII		HDD	Yes
Available Drives	DVD-ROM/DVD Recordable	DVD-ROM/DVD Recordable/ Slim DVD-ROM/Slim DVD Recordable	ODD	Yes
Communication			Memory	Yes
Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet ⁴		Power Supply	
Wireless LAN / Antenna / Type	IEEE 802.11a (5GHz), 802.11b/g/n (2.4GHz) / Antenna 2Tx2R / PCIe half-mini card with vPro ³		450W 92% Efficiency Active PFC ³	240W 92% Efficiency Active PFC ³
			280W 85% Efficiency Active PFC	240W 85% Efficiency Active PFC
			280W Std. Active PFC	240W Std. Active PFC

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Chassis Dimension	Tower		Small Form Factor		Certifications
Height (mm)	365 ⁶	414.5 ⁷	97 ⁶	99.7 ⁷	FCC DoC for North America
Width (mm)	175 ⁶	175 ⁷	333 ⁶	339 ⁷	VCCI certification for Japan
Depth (mm)	412 ⁶	442.3 ⁷	368 ⁶	381.1 ⁷	BSMI certification for Taiwan
Weight (kg)	11kg	11kg	7.5kg	7.5kg	EU/EFTA CE Mark & DoC
Volume (Approx.)	26.3L ⁶	32.1L ⁷	11.9L ⁶	12.9L ⁷	UL/CUL
Environment Attributes					TUV-GS
Temperature	Operating: 10°C - 35°C (50F to 95F) Non-operating: (-40°C - 60°C) (50F to 140F) (with package) Wet Bulb Temperature: 25°C (max) (Operating), 40°C (max) (Non-Operating)				IEC60950-1 CB Report/Certificate
Relative Humidity	Operating: 20% ~ 80% (non-condensing) Non-Operating: 20% ~ 90% (non-condensing) Operating: 0.27 G at 5 to 500 Hz at 0.5 octave/min, Random (without LCD panel)				Saudi Arabia ICCP(SASO)
Max Vibration	Operating: 0.27 G at 5 to 500 Hz at 0.5 octave/min, Random (without LCD panel) Non-Operating: 1.04 G at 2 to 200 Hz at 1 octave/min With Package: 1.04 G at 2 to 200 Hz at 1 octave/min				China CCC Mark
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)				Hong Kong SAR (CB report)
Preloaded Software	Adobe® Acrobat® Reader® Skype™ Corel® Burn SE Lenovo Edition Corel® DVD Movie Factory® 7 Lenovo Edition InterVideo WinDVD Microsoft® Office 2010 Preloaded (Purchase a product key to activate a full Microsoft Office 2010 suite) Norton Internet Security 2012 with 30 days of virus definitions Microsoft® Live ThinkVantage® Rescue and Recovery® ThinkVantage® Product Recovery ThinkVantage® Client Security Solution (web delivery only) ThinkVantage® Power Manager ThinkVantage® Password Manager Lenovo® ThinkVantage® Toolbox ThinkVantage® System Update (up to 3 years) Lenovo® Solution Center Communication Utility View Management Utility				Argentina S-mark Singapore - PSB South Africa – SABS Russia-GOST Mexico-NOM Kazakhstan -GOST-K Belarus-certificate Croatia-certificate Serbia – KVALITET Ukraine – UKrCEPRO Energy Star 5.0/5.2 PEP(Internal Certification) China RoHS EU RoHS EU WEEE Japan J-Moss California RoHS USA Chemical Emission Test New York RoHS Japan Energy Saving
Footnote	Footnote 1: Speed varied by processor Footnote 2: Optional Footnote 3: Special Bid Only				Footnote 4: The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. Footnote 5: TW Only Footnote 6: Without handler/rubber stand/external I/Os Footnote 7: With handler/rubber stand/external I/Os