

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)		PCI	
	Intel® Core™ i3-2120/2130 (2nd generation)		Available Slots	2 x Full Height
	Intel® Pentium™ G630/G850/G860 (2nd generation)		Pin Count	120 pins
	Intel® Celeron™ G460/G530/G540 (2nd generation)		Bandwidth	32 bit / 33 MHz / 133MB/s
Memory			Voltage	3.3V
DIMM Slots	4		PCI Express x1	
Type	DDR3 (UDIMM)		Available Slots	1 x Full Height
Speed	Up to 1600MHZ ¹		Pin Count	36 pins
Module Type Supported	2GB/4GB/8GB		Bandwidth	500MB/s per direction, 1GB/s duplex
Max Memory	up to 32GB		Voltage	12V
Graphics			PCI Express x16	
Integrated	Intel® HD Graphics		Available Slots	1 x Full Height
Discrete ²	ATI Radeon HD7450		Pin Count	164 pins
	ATI Radeon HD7350		Bandwidth	8GB/s per direction, 16GB/s duplex
	NVIDIA NVS300(DMS59)		Voltage	12V
Peripherals			I/O Ports (Front)	
Keyboard	Lenovo® Preferred Pro Full-size Keyboard		USB (Type)	2 x USB 2.0
	Lenovo® Preferred Pro Fingerprint Keyboard		Microphone	1
	Preferred Pro fullsize PS2 Keyboard		Headphone	1
Mouse	Lenovo Enhanced Optical USB Mouse		I/O Ports (Rear)	
	Optical Wheel Mouse PS2		USB (Type)	4 x USB 3.0, 2 x USB 2.0
Card Reader	Media Card Reader	Slim Media Card Reader	Display (Input)	1 x VGA, Support stand-alone monitor mode
Speaker	Integrated 1.5W x 1 (TW) 1W x 1(SFF)		Display (Output)	1 x Display Port, Support Multi-Display
Hard Drive			COM	1, 2nd optional
Supported Types	Serial-ATAIII		PS/2	1, optional via punching out
Bus Transfer Rate	6 Gb/s		LAN (RJ45)	1
Available Drives	7200rpm 250GB/320GB/500GB/1TB		AC-IN	1
	10000rpm 300GB ³		Security	
	128GB SSD		Security Platform Chip	Trusted Platform Module (TPM 1.2)
	OPAL SSC HDD 250G ³		Physical Security	Kensington Lock / Cable Lock / Intrusion Switch/Padlock ⁵
Optical Drive			Ease of Use	
Supported Types	Serial-ATAII		Chassis	Yes
Available Drives	DVD-ROM/DVD Recordable	DVD-ROM/DVD Recordable/ Slim DVD-ROM/Slim DVD Recordable	HDD	Yes
Communication			ODD	Yes
Network Controller	Integrated 10M/100M/1000M Gigabit Ethernet ⁴		Memory	Yes
Wireless LAN / Antenna / Type	IEEE 802.11a (5GHz), 802.11b/g/n (2.4GHz) / Antenna 2Tx2R / PCIe half-mini card with vPro ³		Power Supply	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

Lenovo reserves the right to alter product offerings and specifications at any time without notice. Nothing herein should be construed as constituting an additional warranty. Lenovo shall not be liable for technical or editorial errors or omissions contained herein.

THINKCENTRE

M82

TECHSPECS



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/Certification
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-certification Croatia-certification 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