



Windows®. Life without Walls™.
 Lenovo® recommends Windows 7.

**THINKCENTRE
 M SERIES**



LENOVO THINKCENTRE M90Z, PREMIUM ENTERPRISE-LEVEL COMPUTING BUILT IN AN ALL-IN-ONE DESKTOP

The ThinkCentre M90z All-In-One (AIO) desktop is the perfect answer for today's large enterprises that demand strong computing, delivered with a more energy-efficient, space-saving and greener machine. Integrated into a single unit, the ThinkCentre M90z promises a well-organized, clutter-free work environment along with an optional wireless keyboard and mouse. The ThinkCentre M90z is powered by the all-new 2010 Intel® Core™ processors and comes coupled with the outstanding Lenovo Enhanced Experience for Windows® 7. Empowering large PC fleets, the ThinkCentre M90z provides a premium, yet fresh computing experience.

Features offered with the ThinkCentre M90z take enterprise-level computing to a whole new level. To enhance the VoIP experience, the ThinkCentre M90z can come with a built-in 2 MP HD webcam¹ and array microphones¹, providing seamless video conferencing capabilities. These optional built-in microphones and webcam are now simple to operate with a physical mute button¹ and a webcam on/off switch¹, enabling companies to work without worrying about unwanted disturbances and spying. To help boost employee productivity, the ThinkCentre M90z supports a dual display mode, providing you with more screen space to manage your work with ease. This AIO desktop can also function as a standalone monitor through a VGA input, a convenience that allows you to work with your ThinkPad on two screens!

The ThinkCentre M90z is the world's first TCO Certified EDGE AIO. This remarkable AIO desktop is manufactured using 41.8%² Post Consumer Content (PCC), which uses less virgin plastic, thereby reducing the environmental impact. The ThinkCentre M90z desktop also fully complies with stringent green standards such as EPEAT® Gold³, ENERGY STAR®³ and GREENGUARD® Certification. The intelligent auto-brightness¹ control automatically detects the surrounding light conditions and accordingly adjusts the brightness. This feature helps conserve energy, saving up to \$8⁶ more on your energy bills⁵.

Further, the exceptional ThinkCentre M90z is less dependent on IT support with an easy-to-service, tool-less chassis that enables end users to quickly access and upgrade the memory and the hard drive. Equipped with features such as the Intel® vPro™ technology³, the ThinkVantage® Technologies suite, the Trusted Platform Module and the Hardware Password Manager⁴, this ThinkCentre M90z makes managing a PC fleet simpler and more economical. With more than 12 months' stability, you achieve a great user experience with improved performance.

The ThinkCentre M90z AIO incorporates the latest technology, along with optimum security and manageability features to offer the convenience of a traditional desktop and the comfort of an All-In-One!

TOP REASONS TO OWN

THE LENOVO® THINKCENTRE® M90z ALL-IN-ONE DESKTOP

- EQUIPPED WITH THE ALL-NEW 2010 INTEL® CORE™ PROCESSORS
- FULL HD SCREEN WITH DUAL DISPLAY SUPPORT
- DESIGNED TO PROVIDE MORE SPACE-SAVING AND CLUTTER-FREE WORKSPACE
- WORLD'S FIRST TCO EDGE CERTIFIED AIO IN THE PC INDUSTRY
- MAXIMUM POWER SAVINGS OVER US \$54.72 PER ANNUM⁵
- GREEN IT OPTIONS INCLUDING AN AUTO-BRIGHTNESS FUNCTION¹ FOR COMPANY-WIDE ENERGY EFFICIENCY
- VOIP OPTIONS INCLUDING EXCELLENT VIDEO-CONFERENCING CAPABILITIES FOR SIMPLE AND QUICK COMMUNICATION¹



1 Optional
 2 Calculation based on EPEAT® standard as reference. ThinkCentre M90z, plus optional fingerprint keyboard, has about 41.8% post consumer content (PCC) in its plastic parts
 3 Select models only
 4 Sold separately
 5 Comparing a ThinkCentre M90z versus a ThinkCentre M52 and ThinkVision L2440p with Power Manager deployed and idle screen off. Based on energy cost of \$0.103/kWh: Energy Information Administration, Annual Energy Outlook 2009 (early release edition)
 6 ThinkCentre auto-brightness control allows an extra energy savings of 79.46 k/Wh. Based on energy costs of \$0.103 k/Wh – Energy Information Administration, Annual Energy Outlook 2009 (early release edition). Final data may vary.

LENOVO ENHANCED EXPERIENCE FOR WINDOWS® 7.
FAST. SECURE. BUILT FOR BUSINESS.
 Discover a better way of doing business with the new Lenovo Enhanced Experience for Windows® 7 on Think-branded PCs. Faster, more durable and greener Think-branded PCs are optimized for Windows® 7 to deliver improved ease of use. It enhances productivity and foolproof security that your business cannot do without.



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SUPERIOR END-USER EXPERIENCE

- Full HD screen with dual display support
- Space-saving and clutter-free design
- Standalone display capable through VGA input
- Simple Tap software for improved multi-touch capability
- Height adjustable stand²
- Easy-to-carry handle
- 2 MP HD webcam² and digital array microphones²
- Ease-of-use design – physical mute button² for microphone and webcam on/off switch²

ENVIRONMENTALLY FRIENDLY FEATURES

- First AIO PC with a TCO Edge Certification
- Significant savings on power costs¹ – save over US \$54.72 per year
- Up to 41.8% post consumer content (PCC)³
- Reusable bag (TopSeller™ model)
- Auto-brightness control² – saving up to \$8 more on your energy bills⁴
- EPEAT® Gold⁴ and ENERGY STAR® 5.0⁴
- Lenovo exclusive GREENGUARD® Certification

MANAGEABILITY AND SECURITY FEATURES

- Intel® vPro™ technology⁴
- ThinkVantage® Technologies support
- Trusted Platform Module feature
- Hardware Password Manager⁵ capable

RELIABLE FEATURES

- All new 2010 Intel® Core™ processors offering Turbo Boost Technology
- Quick servicing with an easy-access component layout

¹ Comparing a ThinkCentre M90z versus a ThinkCentre M52 and ThinkVision L2440p with Power Manager deployed and idle screen off. Based on energy cost of \$0.103k/Wh: energy Information Administration, Annual Energy Outlook 2009 (early release edition)

² Optional

³ Calculation based on EPEAT standard as reference. ThinkCentre M90z, plus optional fingerprint keyboard, has about 41.8% post consumer content (PCC) in its plastic parts

⁴ Select models only

⁵ Sold separately

⁶ ThinkCentre auto-brightness control allows an extra energy savings of 79.46 k/Wh. Based on energy costs of \$0.103 k/Wh – Energy Information Administration, Annual Energy Outlook 2009 (early release edition). Final data may vary.

SERVICE OFFERINGS

THINKPLUS® SUPPORT

Lenovo offers unequalled service excellence that lowers overall IT support costs and repair expenses.

- **Base Warranty Service:** Provides Lenovo standard award-winning service and support
- **ThinkPlus Warranty Extension and Upgrade:** Protects investment and increases productivity with the enhanced service-level upgrade and term extension
- **ThinkPlus Priority Support:** Provides technical support for the business – increases helpdesk productivity with 24 X 7 advanced-level technical support and service call-tracking tools
- **ThinkPlus Priority 4:** Offers enhanced on-site response within 4 hours for critical IT support needs

THINKPLUS® PROTECTION

Protects your data from the unexpected from the unexpected – saves money, reduces hassles and offers peace-of-mind.

- **Hard Disk Drive Retention (HDDR):** Allows you to retain your hard drive if it fails and thus protects data from falling into the wrong hands

THINKPLUS® ENTERPRISE SOLUTIONS

Offer peace-of-mind with Lenovo as a single-point-of-contact – manages infrastructure, consolidates contracts and streamlines the number of vendors.

- **Lenovo Imaging Services:** Provides security – the protection bundle includes Next Business Day (NBD) on-site service and ThinkPad Protection
- **Lenovo Asset Recovery Services:** Recover value from old assets and help you dispose, data securely – turns old PC trash into cash

SI No.	Program	Base Warranty	Upgrade Service Description	US Part Number
1	Warranty	3-year Onsite	4-year Onsite	55Y9580
2	Warranty	3-year Onsite	5-year Onsite	55Y9581
3	Warranty	3-year Onsite	+ 9x5x4	41C9192
4	Warranty	3-year Onsite	+ 24x7x4	41C9193
5	Warranty	3-year Onsite	4-year Onsite 9x5x4	41C9195
6	Warranty	3-year Onsite	4-year Onsite 24x7x4	41C9196
7	HDDR	3-year Onsite	+ 3-year HDDR	43R2157
8	HDDR	3-year Onsite	4-year Onsite + 4-year HDDR	43R8831
9	HDDR	3-year Onsite	5-year Onsite + 5-year HDDR	45J8404
10	PRI	3-year Onsite	3-year Priority Enterprise	45J9088
11	PRI	3-year Onsite	4-year Priority Enterprise + 4-year Onsite	45J9089
12	PRI	3-year Onsite	5-year Priority Enterprise + 5-year Onsite	45J9090
13	PRI	3-year Onsite	4-year Priority Enterprise	55Y3612
14	PRI	3-year Onsite	5-year Priority Enterprise	55Y3616

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THE LENOVO® THINKCENTRE® M90z ALL-IN-ONE DESKTOP SPECIFICATIONS.

DESCRIPTION	M90z		
Processors	<ul style="list-style-type: none"> Intel® Core™ i5-6x0 1333MHz 4T/dual core/4M/73W/ Turbo LGA 1156 Intel® Core™ i3-5x0 1333MHz 4T/dual core/4M/73W/ LGA 1156 Intel® Pentium® G6950 1066MHz/dual core/3M/73W/ LGA 1156 		
Preloaded Operating Systems	<ul style="list-style-type: none"> Genuine Windows® 7 Professional (32-bit) Genuine Windows® 7 Professional (64-bit) Genuine Windows® 7 Home Premium (32-bit) Genuine Windows® 7 Home Premium (64-bit)⁷ 	<ul style="list-style-type: none"> Genuine Windows® 7 Home Basic (32-bit) Genuine Windows® XP Professional SP3 pre-installed through downgrade rights from Genuine Windows Vista® Business or Genuine Windows® 7 	
Chipset	<ul style="list-style-type: none"> Intel® Q57 chipset 		
Form Factor	<ul style="list-style-type: none"> All-in-One 		
Machine Type	<ul style="list-style-type: none"> 0800, 0852, 2471, 2557, 3091, 3265, 3373, 3429, 3650, 3678, 4285, 5205 and 5248 		
Serial ATA Hard Drive	<ul style="list-style-type: none"> 160GB, 250GB, 320GB, 500GB 7200 RPM SATA 1TB 7200 RPM SATA⁸ 	<ul style="list-style-type: none"> 80GB flash solid state drive⁹ 150GB 10k PRM⁹ 	
Memory	<ul style="list-style-type: none"> 1GB/2GB 1333MHz DDR3 SoDIMM Up to 4GB/8GB⁹ memory 		
Optical Drive	<ul style="list-style-type: none"> Slim DVD-ROM Slim DVD Recordable 		
Integrated Communications	<ul style="list-style-type: none"> Intel® 82578DM, 10M/100M/1000M Gigabit Ethernet 		
WiFi	<ul style="list-style-type: none"> Intel® Centrino® Wireless-N100 Intel® Centrino® Ultimate-N6300 		
Bluetooth®	<ul style="list-style-type: none"> QMI 9WBM102QCE01Q² Qcom QBT410UB-01² 		
Ports	<ul style="list-style-type: none"> (6) High speed USB 2.0 (2 side/4 rear) (2) Side audio ports: headphone and microphone (2) PS/2 ports² (1) Serial² 	<ul style="list-style-type: none"> (1) Integrated display port (1) VGA-in (1) RJ-45 (1) AC-in 	
Slots	<ul style="list-style-type: none"> (1) Mini PCI-e x 1 slot (1) Express card slot² 		
Bays	<ul style="list-style-type: none"> (1) Internal HDD Bay 3.5 inch (1) Internal ODD Bay 5.25 inch 		
Display	<ul style="list-style-type: none"> Integrated 23-inch widescreen (16:9) 		
Web Camera	<ul style="list-style-type: none"> 2 mega pixel USB webcam with array microphones² 		
Power Supply	<ul style="list-style-type: none"> 150 W 85 plus (auto-sensing) 		
Dimensions (HxWxD) mm	<ul style="list-style-type: none"> 443 x 560 x 116 (with multi-touch, with frame stand) 443 x 560 x 109 (without multi-touch, with frame stand) 	<ul style="list-style-type: none"> 443 x 560 x 250 (with lift stand) 	
Keyboard	<ul style="list-style-type: none"> Lenovo® Preferred Pro Full-size Keyboard Preferred Pro Fingerprint Keyboard 	<ul style="list-style-type: none"> Lenovo® Ultraslim Wireless Keyboard² ThinkPad® USB Keyboard with TrackPoint®² 	
Mouse	<ul style="list-style-type: none"> USB Optical Wheel Mouse Lenovo® Ultraslim Wireless Mouse² 		
Graphics Card	<ul style="list-style-type: none"> Intel® GMA HD (integrated) 		
Security	<ul style="list-style-type: none"> TPM 1.2 chip USB individual disable/enable Computrace® support 	<ul style="list-style-type: none"> Kensington slot Chassis intrusion switch² 	
Limited Warranty	<ul style="list-style-type: none"> Up to 3 years 		
Preloaded Software	<ul style="list-style-type: none"> Adobe® Acrobat® Reader® Acrobat® Flash® Player Skype™ PC-Doctor for WinPE SUN™ JRE™ Corel® Burn SE Lenovo Edition 	<ul style="list-style-type: none"> Corel® DVD MovieFactory® 7 Lenovo Edition InterVideo WinDVD® Microsoft® Office Professional 2007 (60-day trial version) Norton Internet Security 2009 ThinkVantage® Rescue and Recovery® 	<ul style="list-style-type: none"> ThinkVantage® Product Recovery ThinkVantage® ClientSecurity Solution (Web delivery only) ThinkVantage® Password Manager ThinkVantage® Power Manager Lenovo® ThinkVantage® Toolbox ThinkVantage® System Update (up to 3 years)

⁶ The ThinkCentre M90z supports both 1066 MHz and 1333 MHz DDR3 memory modules. For example: if you are using the 1333 MHz memory module(s) with a microprocessor that runs at 1066 MHz (such as the Intel® Pentium® G6950 microprocessor), your memory module(s) will operate at 1066 MHz.

⁷ For Hong Kong & special bid only

⁸ For special bid only

⁹ Only available from options team using 4GBs

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THE LENOVO® THINKCENTRE® M90z ALL-IN-ONE DESKTOP TOP OPTIONS



**LENOVO ULTRASLIM WIRELESS
KEYBOARD AND MOUSE (57Y4700)**

Reliable 2.4GHz Wireless resistant keyboard and mouse combination; contemporary, low profile design

**LENOVO FINGERPRINT USB
KEYBOARD (73P4730)**

Replace Windows passwords with fast, secure access using your fingerprint



**THINKPAD® USB KEYBOARD WITH
TRACKPOINT® (55Y9003)**

Save valuable desk space; 30% narrower than a full-size keyboard – measures 12.5-inches (315 mm) wide. Eliminates an external mouse with the integrated Trackpoint®



www.lenovo.com/support/keyboards



**THINKCENTRE M90z HEIGHT
ADJUSTABLE STAND (57Y4351)**

Easily adjust the ThinkCentre system to help improve viewing comfort. Adjustments include: 110mm height adjustment and 30 degrees (25 back, 5 forward) tilt adjustment

www.lenovo.com/support/stands



**THINKPAD IN-EAR HEADPHONES
(57Y4488)**

High-quality voice and audio performance in a comfortable, lightweight design with discreet hands-free inline microphone for clear communications



**KENSINGTON SECURITY CABLE
LOCK BY LENOVO (73P2582)**

Help reduce theft, increase physical asset security

www.lenovo.com/support/security



**PC3-10600 DDR3-1333 SODIMM
LOW-HALOGEN MEMORY**

Low-cost method to boost system performance
1GB (55Y3709), 2GB (55Y3710), 4GB (55Y3711)



**GEMPLUS 54MM EXPRESSCARD
SMART CARD READER FROM
LENOVO (41N3043)**

Control access to databases, corporate computer networks

www.lenovo.com/support/security



**LENOVO USB-TO-DVI MONITOR
ADAPTER (45K5296)**

HD Resolution and multiple monitors, is just as simple USB connection away

www.lenovo.com/support/monitoraccessories



LENOVO LASER MOUSE (41U3074)

High performance, fully programmable, superior comfort laser mouse

www.lenovo.com/support/mice



**LENOVO DISPLAYPORT TO SINGLE-LINK
DVI-D MONITOR CABLE (45J7915)**

Attach existing DVI-D digital 1920 x 1200 resolution monitor to DisplayPort

www.lenovo.com/support/monitoraccessories

 www.lenovo.com/think

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