



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

THINKCENTRE
M SERIES



LENOVO THINKCENTRE M90Z, A 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 AIO with a TCO Edge Certification! 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

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

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.



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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 SATA⁶ 	<ul style="list-style-type: none"> 80 GB flash solid state drive⁶ 150 GB 10k PRM⁶
Memory	<ul style="list-style-type: none"> 1GB/2GB 1333 MHz DDR3 SoDIMM 	<ul style="list-style-type: none"> Up to 4GB memory
Optical Drive	<ul style="list-style-type: none"> Slim DVD-ROM 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Intel® Centrino® Ultimate-N6300
Bluetooth	<ul style="list-style-type: none"> QMI 9WBM102QCE01Q² 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> (1) Express card slot²
Bays	<ul style="list-style-type: none"> (1) Internal HDD Bay 3.5 inch 	<ul style="list-style-type: none"> (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^{8,2}
Mouse	<ul style="list-style-type: none"> USB Optical Wheel Mouse 	<ul style="list-style-type: none"> 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 only

⁸ For special bid only

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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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