ThinkCentre M92z All-In-One

Lenovo ThinkCentre M92z with Frame Stand

Lenovo ThinkCentre M92z with Monitor Stand

Toolless Back Cover Removal

Toolless Stand Removal

Dual Independent Display with Optional Lenovo ThinkVision Monitor
## ThinkCentre M92z (3280) - 20" (TopSeller) - Win 8 - withdrawn

### Product Specifications Reference (PSREF)

#### Type-model Processor Memory

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
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#### Graphics

- **Intel HD Graphics 2500**

#### Memory

- 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

#### Display

- HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio
  - 2560x1600 (DisplayPort)@60Hz

#### Audio support

- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2)

#### Chipset

- **Intel Q77 Express Chipset**

#### Media reader

- None

#### Optical DVD burner

- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

#### Rear ports

- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

#### ExpressCard

- None

#### EPEAT

- Gold rating

#### Limited Warranty

- **1-year, limited onsite service**, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

---

## Preloaded operating system**

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Some: Windows 8 Pro 64-bit

### Preloaded applications (only some listed)

- **Windows 7 models**
  - ThinkVantage® Product Recovery
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - RapidBoot HDD Accelerator
  - Lenovo® SimpleTap
  - Adobe® Reader®
  - Corel® Draw® X7
  - Corel® PDF Fusion®
  - Corel® PDF Fusion® for Win7
  - Cyberlink PowerProducer (DVD+RW)
  - Cyberlink PowerProducer (DVD+RW)

- **Windows 8 models**
  - Lenovo Support
  - Lenovo Settings
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Lenovo QuickLaunch
  - Norton™ Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go (DVD+RW)
  - Cyberlink PowerProducer (DVD+RW)

### - All models

- ThinkVantage System Update
- ThinkVantage Automatic Lock Utility
- Lenovo Solution Center
- View Management Utility
- Norton Internet Security
- (30 days of virus definitions)
- Microsoft® Office preload: purchase a product key to activate
- Skype™

### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

### EPEAT® Gold rating

- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- TUV Green Mark
- ULE Gold
- EuP 2013
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to O-M92Z sheet; For Lenovo service upgrade options, please go to S-TC sheet
ThinkCentre M92z (3291) - 20" (TopSeller) - withdrawn

Product Specifications Reference (PSREF)

<table>
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<th>Type-model</th>
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</table>

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

Positioning

- Premium All-In-One PC for the enterprise
- Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.7GHz, 3MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology
- Processor in LGA1155 socket

Graphics

- Intel HD Graphics or Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @ 60Hz
- Display 20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector

DP dongle

- None

Audio support

- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Intel HD Audio
- Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

Light sensor

- None

Multi-touch

- None

Camera

- Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

Controls

- Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- Side: Volume up and down buttons

Disk

- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
- Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

Optical

- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable
- Two SATA cables (each 1-drop to device)

Onboard SATA

- None

Media reader

- None

Chipset

- Intel Q77 Express Chipset

Rear ports

- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)
- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

ExpressCard

- None

mSATA

- One mSATA slot

PCIe Mini Card

- One PCI Express™ Mini Card slot

PCIe WLAN

- 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

Bluetooth

- Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

Ethernet

- One gigabit ethernet port, Intel 82579LM, Wake on LAN®

Audio support

- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified

Intel AMT

- Intel Active Management Technology 8.0 (Intel AMT 8.0)

Security chip

- Trusted Platform Module (TPM 1.2-compliant)

Keyboard

- Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
- Enhanced Optical USB Mouse, black, Lenovo logo
- 150 watts, autosensing, 85% PSU

Machine

- All:
  - Business black color
  - Toolless back cover, stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

Model(s) with 20" Non multi-touch, Frame stand:

- 19.8" W X 3.6" D X 16.1" H, 503mm W X 92.5mm D X 408mm H (including stand)
- 18.5 lb (8.4 kg) in maximum configuration

Model(s) with 20" Non multi-touch, Monitor stand:

- 19.8" W X 5.6" D X 17.6" H, 503mm W X 143mm D X 448mm H (including stand)
- 23.0 lb (10.5 kg) in maximum configuration
- Tilt: 45°, back, -5° forward; Lift: 110mm, Swivel: +/-45°

Limited Warranty

- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

See footnotes for important warranty information

US models announced June 5, 2012
US model(s) withdrawn effective May 2013 or November 2013

©Lenovo (MTRL1-1) November 2013

ENERGY STAR® 5.2-compliant
tco certified
TUV Green Mark
ULE Gold
euP 2013
Cisco EnergyWise compatible
GREENGUARD® certified
RoHS-compliant

Supports ThinkVantage Technologies
For compatible accessories, please go to O-M92Z sheet;
For Lenovo service upgrade options, please go to S-TC sheet
<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>Graphics</th>
<th>PCIe Mini Card</th>
<th>Media reader</th>
<th>Light sensor</th>
<th>Serial &amp; PS/2 port</th>
<th>Chassis intrusion switch</th>
<th>Stand type</th>
<th>Keyboard/ Mouse</th>
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<td>06/05/12</td>
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</table>

**Preloaded operating system**
- Genuine Windows® 7 Professional 64

**Ready to install applications** (only some listed)
- Rescue and Recovery™
- Password Manager
- Business-in-a-Box

**Preloaded applications** (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Automatic Lock Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- RapidBoot HDD Accelerator
- Lenovo SimpleTap
- Norton™ Internet Security
- (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel® MovieFactory™ (DVD±RW)

See footnotes for important warranty information
US models announced June 5, 2012
US model(s) withdrawn effective December 2013

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ThinkCentre M92z (3291) - 20" (TopSeller) - III - withdrawn

Product Specifications Reference (PSREF)

ThinkCentre M92z (3291) - 20" (TopSeller)

Processor
- Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache)
- Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 3.2GHz, 3MB cache)
- Intel® Core™ i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache)

Memory
- 16GB max, DDR3 memory

Graphics
- Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11

Display
- 20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector

Camera
- Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

Volume up and down buttons
- Side:
  - Microphone mute, speaker mute, monitor mode, OSD menu, and power button

kbd and mouse buttons
- Side: Volume up and down buttons

Disk
- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

Optical drive
- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

Onboard SATA
- Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

Graphics
- Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11

Driver support
- 3D graphics drivers for Microsoft® Windows® 7, Windows® 8, Windows® 8.1, and Windows® 10

Hard disk password
- Power-on password

Security
- Security chip (see information on left)
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

Limited Warranty
- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

Preloaded operating system
- Genuine Windows® 7 Professional 64

Ready to install applications
- Only some listed
  - Rescue and Recovery®
  - Password Manager
  - Business-in-a-Box

Preloaded applications
- Only some listed
  - ThinkVantage® Product Recovery
  - ThinkVantage System Update
  - ThinkVantage Communication Utility
  - ThinkVantage Automatic Lock Utility
  - ThinkVantage Power Manager
  - View Management Utility
  - Lenovo Solution Center
  - Lenovo Message Center Plus
  - RapidBoot HDD Accelerator
  - Lenovo SimpleTap
  - Norton® Internet Security (30 days of virus definitions)
  - Adobe® Reader®
  - Skype® for Windows
  - Windows Live™ Essentials
  - Microsoft® Office preloaded; purchase a product key to activate
  - Corel® Burn.Now™ (DVD:RW)
  - Corel DVD MovieFactory® (DVD:RW)

For Lenovo service upgrade options, please go to O-M92Z sheet;
For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US models announced June 5 or September 4, 2012
US model(s) withdrawn effective December 2013
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(MTRL1-3) January 2014
### ThinkCentre M92z (3291) - 20" (TopSeller) - Win 8 - withdrawn

#### Specifications

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<th>Memory</th>
<th>Graphics</th>
<th>LOM</th>
<th>Media reader</th>
<th>Light sensor</th>
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<th>Chassis intrusion switch</th>
<th>Stand type</th>
<th>Key board/ Mouse</th>
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#### Preloaded operating system

**Some:** Windows® 7 Professional 64-bit

**All models:**
- ThinkVantage® Product Recovery
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- RapidBoot HDD Accelerator
- Lenovo® SimpleTap
- Adobe® Reader®
- Corel® Burn Now™ (DVD+RW)
- Corel® DVD MovieFactory™ (DVD+RW)

#### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- **Chassis intrusion switch on selected model(s):**

#### Other information

- **Lenovo Machine (MMT1-20) January 2014**
- US models announced October 23 or December 4, 2012
- US model(s) withdrawn effective December 2013
## ThinkCentre M92z (3296) - 20" - withdrawn

### Product Specifications Reference (PSREF)

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<th>Graphics</th>
<th>PCIe Mini Card</th>
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<th>Serial &amp; PS/2 port</th>
<th>Chassis intrusion switch</th>
<th>Stand type</th>
<th>Keyboard/ Mouse</th>
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- **3-year limited warranty**

### Positioning

**Premium All-In-One PC for the enterprise**

Intel® Pentium® G630 Processor (2 cores / 2 threads, 2.7GHz, 3MB cache),
integrated Intel HD Graphics,
integrated 1066MHz dual-channel DDR3 memory controller, Virtualization Technology
Intel® Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),
integrated Intel HD Graphics 2000,
integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology
Processor in LGA1155 socket

### Memory

16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

### Graphics

Intel HD Graphics or Intel HD Graphics 2000 in processor,
uses main memory, HDCC, DirectX® 10.1,
external digital monitor support via DisplayPort™, supports dual independent display;
**Maximum resolution:** 2560x1600 (DisplayPort) @ 60Hz

### DP dongle

None

### Display

20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio,
work as standalone monitor via DisplayPort-in connector

### Light sensor

None

### Multi-touch

None

### Camera

Some: Camera on top of screen, 2.0-megapixel, fixed focus,
integrated digital MIC array with stereo, LED indicator, physical switch on/off

### Controls

Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button
Side: Volume up and down buttons

### Chipset

Intel® Q77 Express Chipset

### Rear ports

Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

### Side ports

Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

### ExpressCard mSATA

One mSATA slot

### PCIe Mini Card

One PCI Express® Mini Card slot

### PCIe WLAN

Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230,
Wi-Fi + Bluetooth combo adapter, 2x2

### Bluetooth

Some: Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

### Ethernet

One gigabit ethernet port, Intel 82579LM, Wake on LAN®

### Audio support

High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2),
Dolby® Advanced Audio® v2 certified, Microsoft Lync™ certified

### Intel AMT

Intel Active Management Technology 8.0 (Intel AMT 8.0)

### Security chip

Trusted Platform Module (TPM 1.2-compliant)

### Keyboard/ Mouse

Prefered Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
Enhanced Optical USB Mouse, black, Lenovo logo

### Power supply

150 watts, autosensing, 85% PSU

### Machine

**Model(s) with 20" Non multi-touch, Frame stand:**
- Business black color
- 19.8" W X 3.6" D X 16.1" H
- 503mm W X 92.5mm D X 408mm H (including stand)
- 18.5 lb (8.4 kg) in maximum configuration
- Toolless back cover, stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

### Limited Warranty

3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

---

**Preloaded operating system**

Genuine Windows® 7 Professional 64

**Ready to install applications** (only some listed)
- Rescue and Recovery™
- Password Manager
- Business-in-a-Box

**Preloaded applications** (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage® System Update
- ThinkVantage® Communication Utility
- ThinkVantage® Automatic Lock Utility
- ThinkVantage® Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- RapidBoot® HDD Accelerator
- Lenovo SimpleTap
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory® (DVD±RW)

**Security**
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

**Supports ThinkVantage Technologies**

EPEAT™ Gold rating
ENERGY STAR® 5.2-compliant
TCO Certified Edge
TÜV Green Mark
ULE Gold
EuP 2013
Cisco EnergyWise compatible
GREENGUARD® certified
RoHS-compliant

For compatible accessories, please go to O-M92Z sheet;
For Lenovo service upgrade options, please go to S-TC sheet

---

See footnotes for important warranty information

US models announced June 5, 2012

US model(s) withdrawn effective May or December 2013

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(MTRL1-4) January 2014
ThinkCentre M92z (3296) - 20" - III - withdrawn

Preloaded operating system

- Genuine Windows® 7 Professional 64

Ready to install applications (only some listed)
- Rescue and Recovery™
- Password Manager
- Business-in-a-Box

Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Automatic Lock Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- RapidBoot HDD Accelerator
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel DVD MovieFactory™ (DVD±RW)

Security
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chasssis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

ENERGY STAR® Gold rating
- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- TUV Green Mark
- ULE Gold
- EuP 2013
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to O-M92Z sheet;
For Lenovo service upgrade options, please go to S-TC sheet

Limited Warranty
3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available
### ThinkCentre M92z (3296) - 20" - II - withdrawn

#### Product Specifications Reference (PSREF)

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<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory*</th>
<th>Graphics</th>
<th>PCle Mini Card</th>
<th>Media reader</th>
<th>Light sensor</th>
<th>Serial &amp; PS/2 port</th>
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<th>Stand type</th>
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#### Graphics

- **ThinkCentre M92z (3296)** - 20" - II - withdrawn
  - **Product Specifications Reference (PSREF)**
  - **ThinkVantage Technologies**
  - **Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology**
  - **3-year limited warranty**

#### Processor

- **Premium All-In-One PC for the enterprise**
  - **Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.66Hz), integrated Intel HD Graphics 2500,**
  - **integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**
  - **Intel Core i5-3550S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500,**
  - **integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**

#### Implementation

- **Intel Core i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,**
  - **integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**
  - Processor in LGA1155 socket

#### Memory

- **16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)**

#### Graphics

- **Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor,**
  - **uses main memory, DirectX® in processor,**
  - **two 204-pin SODIMM sockets (notebook)**

#### DP dongle

- **None**

#### Display

- **20.0" (508mm) HD+ (1600x900) TFT color,**
  - **LED backlight, 250 nits, 16:9 aspect ratio,**
  - **work as standalone monitor via DisplayPort-in connector**

#### Light sensor

- **None**

#### Multi-touch

- **None**

#### Camera

- **Camera on top of screen, 2.0-megapixel, fixed focus,**
  - **integrated digital MIC array with stereo, LED indicator, physical switch on/off**

#### Controls

- **Front:**
  - **Microphone mute, speaker mute, monitor mode, OSD menu, and power button**
  - **Volume up and down buttons**

#### Disk

- **SATA 6.0Gb/s, 3.5" Wide, 7200 rpm**

#### Optical

- **DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable**

#### Onboard SATA

- **Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar**

#### Media reader

- **Onboard:**
  - **Single Slot SD media reader**

#### Chipset

- **Intel Q77 Express Chipset**

#### Rear ports

- **Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)**

#### Side ports

- **Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)**

#### ExpressCard

- **mSATA**
  - **One mSATA slot**

#### PCle Mini Card

- **PCle Half Mini Card, Intel Centrino® Wireless-N 2230,**
  - **Wi-Fi + Bluetooth combo adapter, 2x2**

#### Bluetooth

- **Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter**

#### Ethernet

- **One gigabit ethernet port, Intel 82579LM, Wake on LAN®**

#### Audio support

- **High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio® v2 certified, Microsoft Lync™ certified**

#### Intel AMT

- **Intel Active Management Technology 8.0 (Intel AMT 8.0)**
  - **Trusted Platform Module (TPM 1.2-compliant)**

#### Security chip

- **Kensington lock also locks chassis**
  - **Security chip (see information on left)**
  - **Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)**
  - **Power-on password**
  - **Hard disk password**
  - **Boot sequence control**
  - **Boot without keyboard and mouse**
  - **USB port disablement**
  - **Chassis intrusion switch on selected model(s)**

#### Keyboard Mouse

- **Prefered Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo**

#### Power supply

- **150 watts, autosensing, 85% PSU**

#### Limited Warranty

- **3-years, limited onsite service. 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available**

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**See footnotes for important warranty information**

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US models withdrawn effective December 2013

(MTRL1-5) January 2014
ThinkCentre M92z (3296) - 20" (Win 8) - withdrawn

Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>Graphics</th>
<th>PCle Mini Card</th>
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<th>Light sensor</th>
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<th>Stand type</th>
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<td>None</td>
<td>Win 8 Pro64</td>
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</table>

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning Processor

Premium All-In-One PC for the enterprise

Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),
integrated Intel HD Graphics 2500,
integrated 1600MHz dual-channel DDR3 memory controller

Intel® Core™ i3-3470S Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),
integrated Intel HD Graphics 2500,
integrated 1600MHz dual-channel DDR3 memory controller

Intel Core® i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache),
Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics,
integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket

Implementation

Memory 16GB max,
Implementation Processor in LGA1155 socket

Audio support High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2),

Processor Intel

Premium All-In-One PC for the enterprise

Positioning

Ethernet One gigabit ethernet port, Intel 82579LM, Wake on LAN

PCIe Mini Card One PCI Express mSATA

One mSATA slot

PCle WLAN One PCI Express® Mini Card slot

11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230,
Wi-Fi + Bluetooth combo adapter, 2x2

Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

Audio support High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2),
Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified

Intel AMT Intel Active Management Technology 8.0 (Intel AMT 8.0)

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Keyboard Mouse

Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
Enhanced Optical USB Mouse, black, Lenovo logo

Power supply 150 watts, autosensing, 85% PSU

Machine Model(s) with 20" Non multi-touch, Frame stand:

- Business black color
- 19.8" W X 3.6" D X 16.1" H
- 503mm W X 92.5mm D X 408mm H (including stand)
- 18.5 lb (8.4 kg) in maximum configuration
- Toolless back cover, stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

Limited Warranty 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

See footnotes for important warranty information

US models announced October 23, 2012
US model(s) withdrawn effective December 2013

©Lenovo (MTRL1-21) January 2014
### ThinkCentre M92z (3296) - 20" (Win 8) - II - withdrawn

#### Product Specifications Reference (PSREF)

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<th>Chassis intrusion switch</th>
<th>Stand type</th>
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#### Preloaded operating system

- **Some**: Windows 7 Professional 64-bit preinstalled through downgrade rights in Windows 8 Pro 64-bit
- **Some**: Windows 8 Pro 64-bit

#### Preloaded applications (only some listed)

- **Windows 7 models**
  - ThinkVantage Product Recovery
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - RapidBoot HDD Accelerator
  - Lenovo® SimpleTap
  - Adobe® Reader®
  - Corel® Burn.Now.(TM) (DVD:RW)
  - Corel DVD MovieFactory® (DVD:RW)

- **Windows 8 models**
  - Lenovo Support
  - Lenovo Settings
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Lenovo QuickLaunch
  - Norton® Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go® (DVD:RW)
  - Cyberlink PowerProducer® (DVD:RW)

- **All models**
  - ThinkVantage System Update
  - ThinkVantage Automatic Lock Utility
  - ThinkVantage Technologies
  - Security Chip
  - Security Chip (see information on left)
  - Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
  - Power-on password
  - Hard disk password
  - Boot sequence control
  - Boot without keyboard and mouse
  - USB port disablement
  - Chassis intrusion switch on selected model(s)

#### Security

- Preloaded applications (only some listed)
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

#### Limited Warranty

- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

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**See footnotes for important warranty information**

US models announced October 23 or November 20, 2012

US model(s) withdrawn effective December 2013

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(MTRL1-22) January 2014
### ThinkCentre M92z (3298) - 20" (GMP) - withdrawn

**Product Specifications Reference (PSREF)**

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- **Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology**
- **Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty**

**Positioning**
- **Premium All-In-One PC for the enterprise**

**Processor**
- **Intel® Core™ i7-3770S Processor (4 cores / 8 threads), 3.1GHz, 8MB cache**, Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket

**Memory**
- 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

**Graphics**
- Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz

**Display**
- 20.0" (508mm) HD+ (1600x900) TFT color, LED backlight, 250 nits, 16:9 aspect ratio, work as standalone monitor via DisplayPort-in connector

**Light sensor**
- Ambient Light Sensor

**Multi-touch Camera**
- None

**Camera**
- Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

**Controls**
- Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- Side: Volume up and down buttons

**Disk**
- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

**Optical**
- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

**Onboard SATA**
- Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

**Media reader**
- 11-in-1 Single Slot SD media reader

**Chipset**
- **Intel Q77 Express Chipset**

**Rear ports**
- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

**Side ports**
- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**ExpressCard**
- None

**mSATA**
- One mSATA slot

**PCE mini Card**
- One PCI Express™ Mini Card slot

**PCE WLAN**
- 11b/g/n wireless, PCE Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

**Bluetooth**
- Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

**Ethernet**
- One gigabit ethernet port, Intel 82579LM, Wake on LAN®

**Audio support**
- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync certified

**Intel AMT**
- Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Security chip**
- Trusted Platform Module (TPM 1.2-compliant)

**Keyboard Mouse**
- Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo

**Power supply**
- 150 watts, autosensing, 85% PSU

**Machine**
- **Model(s) with 20" Non multi-touch, Frame stand:**
  - Business black color
  - 19.8" X 3.6" D X 16.1" H,
  - 503mm W X 92.5mm D X 408mm H (including stand)
  - 18.5 lb (8.4 kg) in maximum configuration
  - Toolless back cover, stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

**Limited Warranty**
- **3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available**

---

Preloaded operating system
- Genuine Windows® 7 Professional 64

Ready to install applications (only some listed)
- Rescue and Recovery™
- Password Manager
- Business-in-a-Box

Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Automatic Lock Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center
- RapidBoot HDD Accelerator
- Lenovo SimpleTap
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader
- Skype® for Windows
- Windows Live™ Essentials
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn Now™ (DVD:RW)
- Corel® DVD MovieFactory™ (DVD:RW)

Security
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

EPEAT™ Gold rating
- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- TUV Green Mark
- ULE Gold
- EuP 2013
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies
- For compatible accessories, please go to O-M92Z sheet;
- For Lenovo service upgrade options, please go to S-TC sheet
ThinkCentre M92z (3298) - 20" (GMP) - Win 8 - withdrawn

**Product Specifications Reference (PSREF)**

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
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<td>3298-A6U i5-3470S</td>
<td>4GBx1</td>
<td>2.0M</td>
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</table>

**Graphics**
- Intel HD Graphics 2500 in processor, uses main memory.
- DirectX, two 204-pin SODIMM sockets (notebook)
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics
- Notebook uses processor, memory, DirectX, two 204-pin SODIMM sockets
- Intel HD 2500 Graphics, integrated Intel HD 2500 Graphics
- 11b/g/n Media Sensor
- None
- Switch
- Frame
- USB
- vPro
- G
- P

**Audio support**
- High Definition (HD) Audio, Realtek ALC272
- Two internal stereo speakers (3watt x 2)

**Positioning**
- One gigabit ethernet port, Intel 82579LM
- Wake on LAN
- Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

**Display**
- 20.0" (508mm) HD+ (1600x900) TFT color
- LED backlight, 250 nits, 16:9 aspect ratio
- Maximum resolution: 2560x1600 (DisplayPort)@60Hz

**Chipset**
- Intel G77 Express Chipset
- Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- Side: Volume up and down buttons

**Disk**
- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

**Memory**
- 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

**Processor**
- Intel Core™ i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache)
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics
- Integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Optical**
- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable
- One SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

**USB**
- USB port disablement
- Boot without keyboard and mouse
- Boot sequence control
- Power-on password
- Hard disk password

**Camera**
- 11-in-1 Single Slot SD media reader
- 11-in-1 Single Slot SD media reader

**Security**
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chasis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

**Support**
- ThinkVantage Technologies

**ENERGY STAR® Gold rating**
- EPEAT® Gold
- ULE Gold
- EuP 2013
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

**Preloaded operating system**
- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- Some: Windows 8 Pro 64-bit

**Preloaded applications (only some listed)**
- Windows 7 models
  - ThinkVantage® Product Recovery
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - RapidBoot HDD Accelerator
  - Lenovo® SimpleTap
  - Adobe® Reader®
  - Corel® Burn.Now™ (DVD±RW)
  - Corel® DVD MovieFactory® (DVD±RW)
- Windows 8 models
  - Lenovo Support
  - Lenovo Settings
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Lenovo QuickLaunch
  - Norton™ Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go (DVD±RW)
  - Cyberlink PowerProducer (DVD±RW)

**Limited Warranty**
- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available
### ThinkCentre M92z (3315) - 23" (TopSeller) - Win 8 - withdrawn

#### Product Specifications Reference (PSREF)

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<tr>
<td>3315-A3U</td>
<td>i5-3470S</td>
<td>4GBx1</td>
</tr>
</tbody>
</table>

- **Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology**
- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **1-year limited warranty**

#### Graphics
- **Intel HD Graphics 2500**
- **Memory 16GB max,**
- **Implementation Processor in LGA1155 socket**

#### Display
- **23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color,**
- **IPS wide viewing angle,**
- **LED backlight, 250 nits, 16:9 aspect ratio,**
- **1000:1 contrast ratio,**
- **work as standalone monitor via DisplayPort-in connector**

#### Chipset
- **Intel Q77 Express Chipset**

#### Ethernet
- **One gigabit ethernet port,** Intel 82579LM, Wake on LAN

#### Bluetooth
- **Bluetooth 4.0 wireless,** integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

#### Media reader
- **11-in-1 Single Slot SD media reader**

#### Disk
- **SATA 6.0Gb/s, 3.5" Wide, 7200 rpm**

#### Optical Drive
- **DVD burner, SATA 1.5Gb/s, 12.7mm high,**
- **fixed, not removable**

#### PCI Express
- **One PCI Express Mini Card slot**
- **One PCI Express Mini Card slot**
- **11b/g/n wireless, PCI-e Half Mini Card, Intel Centrino® Wireless-N 2230,**
- **Wi-Fi + Bluetooth combo adapter, 2x2**

#### Audio support
- **High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2),**
- **Dolby® Advanced AudioTM v2 certified, Microsoft Lync™ certified**

#### Intel AMT
- **Intel Active Management Technology 8.0 (Intel AMT 8.0)**

#### Security chip
- **Trusted Platform Module (TPM 1.2-compliant)**

#### Keyboards/Mouse
- **Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo logo**
- **Enhanced Optical USB Mouse, black, Lenovo logo**
- **150 watts, autosensing, 85% PSU**

#### Machine
- **Model(s) with 23" Non multi-touch, Monitor stand:**
  - **Black business color**
  - **22.4" W X 9.7" D X 17.8" H**
  - **568mm W X 247mm D X 452mm H (including stand)**
  - **25.7 lb (11.7 kg) in maximum configuration**
  - **Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°**
  - **Toolless back cover, stand removal**
  - **Toolless disk, optical drive, memory removal**
  - **Support VESA mount (100mm)**

#### Limited Warranty
- **1-year, limited onsite service. 8 am-5 pm, Mon - Fri coverage**
- **excluding holidays, next business day response time / service upgrades available**

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**See footnotes for important warranty information**

US model announced October 23, 2012

US model(s) withdrawn effective December 2013

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(MTR1-24) January 2014
ThinkCentre M92z (3318) - 23" (TopSeller) - withdrawn

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

**Positioning**
Premium All-In-One PC for the enterprise

**Processor**
Intel® Core™ i3-2120 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2000, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology

**Implementation**
Processor in LGA1155 socket

**Memory**
16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

**Graphics**
Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX®10.1, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz

**Display**
23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector

**Light sensor**
None

**Camera**
Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

**Disk**
SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

**Optical**
DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

**Onboard SATA**
Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

**Media reader**
None

**Chipset**
Intel Q77 Express Chipset

**Rear ports**
Four USB 2.0, ethernet (RU-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

**Side ports**
Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**ExpressCard mSATA**
One mSATA slot

**PCIe Mini Card**
One PCI Express Mini Card slot

**PCIE WLAN**
11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

**Bluetooth**
Bluetooth 4.0 dual wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

**Ethernet**
One gigabit ethernet port, Intel 82579LM, Wake on LAN®

**Audio support**
High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified

**Intel AMT**
Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Security chip**
Trusted Platform Module (TPM 1.2-compliant)

**Keyboard Mouse**
Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo

**Power supply**
150 watts, autosensing, 85% PSU

**Machine**
Model(s) with 23" Non multi-touch, Monitor stand:
- Black
- 22.4" X 9.7" X 17.8" H
- 568mm W X 247mm D X 452mm H (including stand)
- 25.7 lb (11.7 kg) in maximum configuration
- Tilt: 45" back, -5" forward; Lift: 110mm; Swivel: +/-45°
- Touchless back cover, stand removal
- Touchless disk, optical drive, memory removal
- Support VESA mount (100mm)

**Limited Warranty**
3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

See footnotes for important warranty information
US models announced June 5, 2012
US model(s) withdrawn effective November 2013

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(MTRL1-8) November 2013

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## ThinkCentre M92z (3318) - 23" (TopSeller) - II - withdrawn

### Type-model Processor Memory

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<td>i7-3770S</td>
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<tr>
<td>3318-A6U</td>
<td>i5-3470T</td>
<td>4GBx1</td>
</tr>
<tr>
<td>3318-B7U</td>
<td>i5-3470T</td>
<td>4GBx1</td>
</tr>
</tbody>
</table>

### Positioning Processor

- **Premium All-In-One PC for the enterprise**
- **Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache)**
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- **Intel Core i5-3550S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache)**
- Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

### Implementation

- **Memory**
  - 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

- **Graphics**
  - Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display;
  - Maximum resolution: 2560x1600 (DisplayPort) @60Hz

- **Display**
  - Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector

- **Camera**
  - Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

- **Media reader**
  - None

### Chipset

- Intel Q77 Express Chipset

- **Rear ports**
  - Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

- **Side ports**
  - Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

### Security

- **Security chip** (see information on left)
- **Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)**
- **Power-on password**
- **Hard disk password**
- **Boot sequence control**
- **Boot without keyboard and mouse**
- **USB port disablement**
- **Chassis intrusion switch on selected model(s)**

### Preloaded operating system

- Genuine Windows® 7 Professional 64

### Ready to install applications

- **(only some listed)**
  - Rescue and Recovery™
  - Password Manager
  - Business-in-a-Box

### Preloaded applications

- **(only some listed)**
  - ThinkVantage® Product Recovery
  - ThinkVantage System Update
  - ThinkVantage Communication Utility
  - ThinkVantage Automatic Lock Utility
  - ThinkVantage Power Manager
  - View Management Utility
  - Lenovo Solution Center
  - Lenovo Message Center Plus
  - RapidBoot HDD Accelerator
  - Lenovo SimpleTap
  - Norton® Internet Security (30 days of virus definitions)
  - Adobe® Reader®
  - Skype™ for Windows
  - Windows Live™ Essentials
  - Microsoft® Office preloaded; purchase a product key to activate
  - Corel® Burn.Now™ (DVD+RW)
  - Corel DVD MovieFactory® (DVD+RW)

### Machine

- Model(s) with 23" Non multi-touch, Frame stand:
  - Business black color
  - 22.4" W x 3.7" D x 17.6" H
  - 568mm W x 93mm D x 447mm H (including stand)
  - 21.5 lb (9.8 kg) in maximum configuration
  - Toolless back cover, stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

### Limited Warranty

- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

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See footnotes for important warranty information

US models announced June 5, 2012

US model(s) withdrawn effective December 2013

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(MTRL1-9) January 2014
## ThinkCentre M92z (3318) - 23" (TopSeller) - III - withdrawn

### Product Specifications Reference (PSREF)

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<th>Type-model</th>
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</table>

### Graphics
- Intel HD Graphics 2500 or Intel HD Graphics 4000
- Intel HD Graphics 4000

### Memory
- 16GB max
- PC3-12800 1600MHz DDR3
- Uses main memory
- Intel Integrated 1600MHz dual-channel DDR3 memory controller
- Intel Core i5-3470T Processor

### Display
- Maximum resolution: 2560x1600
- 11-bit color
- IPS panel
- 500 nits
- 16:9 aspect ratio
- 1000:1 contrast ratio

### Controls
- Volume up and down buttons
- Microphone mute
- Speaker mute
- Monitor mode
- OSD menu
- Power button

### Disk
- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
- DVD burner, SATA 1.5Gb/s, 12.7mm high
- Fixed, not removable

### Optical disk reader
- Internal DVD (2x)
- External DVD (2x)

### Rear ports
- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in
- Optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)
- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
- None

### Security
- Privacy lock
- Kensington lock
- Security chip
- Chassis intrusion detection
- Boot control
- Power management

### Chassis
- 25.7 lb (11.7 kg) in maximum configuration
- Toolless back cover
- Stand removal
- Tilt: 45° back, -5° forward
- Lift: 110mm
- Swivel: +/-45°

### Machine
- Business black color
- 62.4 W X 9.7" X 17.8" H
- 568mm W X 247mm D X 452mm H (including stand)
- 25.7 lb (11.7 kg) in maximum configuration
- Tilt: 45° back, -5° forward
- 110mm
- Swivel: +/-45°
- Toolless back cover
- Stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

### Machine (continued)
- Model(s) with 23" Non multi-touch, Monitor stand:
  - Business black color
  - 22.4" W X 9.7" X 17.8" H
  - 568mm W X 247mm D X 452mm H (including stand)
  - 25.7 lb (11.7 kg) in maximum configuration
  - Tilt: 45° back, -5° forward
  - 110mm
  - Swivel: +/-45°
  - Toolless back cover
  - Stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

### Limited Warranty
- 3-years, limited onsite service:
  - 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available
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<th>Memory</th>
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<th>Controller</th>
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### Controls
- Light sensor: None
- DP dongle: None
- Display: 23.0\(\) (580.40mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, LED backlight, 250 nits, 16.9 aspect ratio, 100:1 contrast ratio, work as standalone monitor via DisplayPort-in connector
- Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, Full HD 1080p (1920x1080) TFT color

### Graphics
- Intel HD Graphics
- Intel HD Graphics 2500
- Intel HD Graphics 2500
- Intel HD Graphics 2500
- Intel HD Graphics 2500
- Intel HD Graphics 2500
- Intel HD Graphics 2500
- Intel HD Graphics 2500

### Optical Drive
- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

### Memory
- Integrated Digital Memory (2GB)

### Chipset
- Intel Q77 Express Chipset

### Security
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

### Other Features
- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- ULE Gold
- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- TUV Green Mark
- ULE Gold
- Cisco EnergyWise compatible

### Additional Information
- Warranty: 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available
- US models withdrawn effective November or December 2013
- Data is subject to change without notice
- Go to S-TC sheet for complete information
- See footnotes for important warranty information
- ©Lenovo (MTRL1-25) January 2014
## ThinkCentre M92z (3318) - 23" (TopSeller) - Win 8 - II - withdrawn

### Product Specifications Reference (PSREF)

**Type-model Processor Memory**

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<th>Type-model</th>
<th>Processor</th>
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<td>3318-J3U</td>
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**Graphics**

- Integral Intel HD Graphics 2500
- 1600MHz dual-channel DDR3 memory controller
- Virtualization Technology

**Memory**

- 16GB max
- PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)
- System automatically clocks down for processors with 1333MHz DDR3 memory controller

**Display**

- Full HD 1080p (1920x1080) TFT color
- IPS wide viewing angle
- 2560x1600 (DisplayPort)@60Hz

**Chipset**

- Intel Q77 Express Chipset

**Keyboard**

- Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo

**Mouse**

- Enhanced Optical USB Mouse, black, Lenovo logo

**Power supply**

- 150 watts, autosensing, 85% PSU

**Machine**

- Model(s) with 23" Non multi-touch, Monitor stand:
  - Business black color
  - 22.4" W X 9.7" D X 17.8" H
  - 568mm W X 247mm D X 452mm H (including stand)
  - 25.7 lb (11.7 kg) in maximum configuration
  - Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
  - Toolless back cover, stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

**Limited Warranty**

- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

---

### Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

---

**Preloaded operating system**

- Windows 7 Professional
- Windows 8 Pro 64-bit

**Preloaded applications (only some listed)**

- Windows 7 models
  - ThinkVantage® Product Recovery
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - Lenovo® SimpleTap
  - Adobe® Reader®
  - Corel® Burn.Now™ (DVD±RW)
  - Corel DVD MovieFactory® (DVD±RW)

- Windows 8 models
  - Lenovo Support
  - Lenovo Settings
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Norton® Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go® (DVD±RW)
  - Cyberlink PowerProducer® (DVD±RW)

---

**Positioning Processor**

- Premium All-In-One PC for the enterprise
- Intel® Pentium® G870 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Pentium® G2120 Processor (2 cores / 2 threads, 3.1GHz, 3MB cache), integrated Intel HD Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller
- Intel Core® i3-240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller

**Implementation Processor**

- Processor in LGA1155 socket

---

**Memory**

- 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)
- System automatically clocks down for processors with 1333MHz DDR3 memory controller

---

**Graphics**

- Intel HD Graphics or Intel HD Graphics 2500 in processor, uses main memory
- External digital monitor support via DisplayPort™, supports dual independent display:
  - Maximum resolution: 2560x1600 (DisplayPort)@60Hz

---

**Display**

- Full HD 1080p (1920x1080) TFT color
- IPS wide viewing angle
- 2560x1600 (DisplayPort)@60Hz

---

**Chipset**

- Intel Q77 Express Chipset

---

**Optical**

- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

---

**Camera**

- Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

---

**Light sensor**

- None

---

**Multi-touch**

- None

---

**Front Controls**

- Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- Volume up and down buttons

---

**Disk**

- SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

---

**Onboard SATA**

- One SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

---

**Media reader**

- Some: 11-in-1 Single Slot SD media reader

---

**Rear ports**

- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

---

**Side ports**

- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

---

**ExpressCard**

- None

---

**Memory**

- One mSATA slot

---

**PCle Mini Card**

- One PCI Express™ Mini Card slot

---

**PCle WLAN**

- One PCI Express™ Mini Card slot

---

**Bluetooth**

- Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

---

**Ethernet**

- One gigabit ethernet port, Intel 82579NL, Wake on LAN®

---

**Audio support**

- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified

---

**Intel AMT**

- Intel Active Management Technology 8.0 (Intel AMT 8.0)

---

**Security chip**

- Trusted Platform Module (TPM 1.2-compliant)

---

**Keyboard**

- Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo

---

**Mouse**

- Enhanced Optical USB Mouse, black, Lenovo logo

---

**Power supply**

- 150 watts, autosensing, 85% PSU

---

**Machine Model(s) with 23" Non multi-touch, Monitor stand:**

- Business black color
- 22.4" W X 9.7" D X 17.8" H
- 568mm W X 247mm D X 452mm H (including stand)
- 25.7 lb (11.7 kg) in maximum configuration
- Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
- Toolless back cover, stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

---

**Limited Warranty**

- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

---

**See footnotes for important warranty information**

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US models announced October 23 or December 4, 2012
US model(s) withdrawn effective November or December 2013
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ThinkCentre M92z (3318) - 23" (TopSeller) - Win 8 - III - withdrawn

**Positioning**

Processor: Intel® Core™ i5-3470S Processor (4 cores / 4 threads), 2.9GHz, 6MB cache, Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Memory: 16GB max, two 204-pin SODIMM sockets (notebook)

Graphics: Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @60 Hz

Light Sensor: None

Camera: Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

Disk: SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

Optical: DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

Onboard Sata: Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

Media Reader: Some: 11-in-1 Single Slot SD media reader

Chipset: Intel® Q77 Express Chipset

Rear Ports: Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

Side Ports: Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

ExpressCard: None

PCIE Mini Card: One PCI Express® Mini Card slot

PCIE WLAN: One PCI Express® Mini Card slot, PCI Express® Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2

Bluetooth: Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

Audio: Dolby® Advanced Audio v2® certified, Microsoft Lync™ certified

Security Chip: Trusted Platform Module (TPM 2.1-compliant)

Keyboard: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo

Mouse: Enhanced Optical USB Mouse, black, Lenovo logo

Power Supply: 150 watts, autotuning, 85% PSU

Machine: Model(s) with 23" Non multi-touch, Monitor stand:

- Business black color
- 22.4" W x 9.7" D x 17.8" H
- 568mm W x 247mm D x 452mm H (including stand)
- 25.7 lb (11.7 kg) in maximum configuration
- Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
- Toolless back cover, stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

Limited Warranty: 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available
**ThinkCentre M92z (3325) - 23" - withdrawn**

**Product Specifications Reference (PSREF)**

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<th>Graphics</th>
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- **3-year limited warranty**

**Positioning**

**Processor**

Intel Core™ i3-2130 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),
integrated Intel HD 2000 Graphics,
integrated 1333MHz dual-channel DDR3 memory controller, Virtualization Technology
Processor in LGA1155 socket

**Memory**

16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

**Graphics**

Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX 10.1,
external digital monitor support via DisplayPort™, supports dual independent display;
Maximum resolution: 2560x1600 (DisplayPort) @60Hz

**Display**

23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle,
LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio,
work as standalone monitor via DisplayPort-in connector

**Audio support**

High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2),
integrated digital MIC array with stereo, LED indicator, physical switch on/off

**Ethernet**

One gigabit ethernet port, Intel 82579LM, Wake on LAN

**Bluetooth**

Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

**Optical**

DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

**USB ports**

Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

**Camera**

Camera on top of screen, 2.0-megapixel, fixed focus,
integrated digital MIC array with stereo, LED indicator, physical switch on/off

**Controls**

Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button
Side: Volume up and down buttons

**Disk**

SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

**Media reader**

None

**Chipset**

Intel Q77 Express Chipset

**Power supply**

150 watts, autosensing, 85% PSU

- **3-year limited warranty**

**Limited Warranty**

3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

**Preloaded operating system**

Genuine Windows® 7 Professional 64

**Ready to install applications (only some listed)**

- Rescue and Recovery™
- Password Manager
- Business-in-a-Box

**Preloaded applications (only some listed)**

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Automatic Lock Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo Solution Center
- Lenovo Message Center Plus
- RapidBoot HDD Accelerator
- Lenovo SimpleTap
- Norton™ Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn.Now™ (DVD+RW)
- Corel DVD MovieFactory® (DVD+RW)

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

- EPEAT™ Gold rating
- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- TUV Green Mark
- ULE Gold
- EuP 2013
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

- Supports ThinkVantage Technologies
- For compatible accessories, please go to O-M92Z sheet
- For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US model announced June 5, 2012
US model(s) withdrawn effective December 2013
ThinkCentre M92z (3325) - 23" - II - withdrawn

Product Specifications Reference (PSREF)

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<td>USB</td>
<td>vPro</td>
<td>None</td>
<td>Pro 64</td>
</tr>
</tbody>
</table>

- Next Generation Intel platform with latest Intel vPro Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning

Premium All-In-One PC for the enterprise

Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Intel Core i5-3550S Processor (4 cores / 4 threads, 3.0GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Processor in LGA1155 socket

Implementation

Graphics

Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11 external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz

Display

23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector

Light sensor

None

Camera

Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

Controls

Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button

Side: Volume up and down buttons

Disk

SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

Optical

DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

Onboard SATA

Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

Media reader

None

Chipset

Intel Q77 Express Chipset

Rear ports

Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

Side ports

Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

ExpressCard

None

mSATA

One mSATA slot

PClie Mini Card

One PCI Express® Mini Card slot

PClie WLAN

11b/g/n wireless, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

Bluetooth

Bluetooth 4.0, wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Intel 82579LM, Wake on LAN®

Audio support

High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio® v2 certified, Microsoft Lync™ certified

Intel AMT

Intel Active Management Technology 8.0 (Intel AMT 8.0)

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Keyboard Mouse

Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo

Power supply

150 watts, autosensing, 85% PSU

Machine

Model(s) with 23" Non multi-touch, Frame stand:

- Business black color
- 22.4" W X 3.7" D X 17.6" H
- 568mm W X 93mm D X 447mm H (including stand)
- 21.5 lb (9.8 kg) in maximum configuration
- Toolless back cover, stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

Limited Warranty

3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

See footnotes for important warranty information

US models announced June 5, 2012

US model(s) withdrawn effective December 2013

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(MTRL1-12) January 2014
ThinkCentre M92z (3325) - 23" - III - withdrawn

Product Specifications Reference (PSREF)

Positioning

Processor

Premium All-In-One PC for the enterprise

Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.9GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Intel Core i7-3770S 4GBx1 3.1GHz, 8MB cache, Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Processor in LGA1155 socket

Implementation

Memory

16GB max, DDR3-1600 1600MHz DDR3, two 204-pin SODIMM slots (notebook)

Graphics

Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @60Hz

DP dongle

None

Display

23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector

Light sensor

None

Multi-touch

None

Camera

Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

Controls

Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button

Side: Volume up and down buttons

Disk

SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

Optical

DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

Onboard SATA

Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

Media reader

None

Chipset

Intel Q77 Express Chipset

Rear ports

Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

Side ports

Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

ExpressCard

None

mSATA

One mSATA slot

PCIe Mini Card

One PCIe Express Mini Card slot

PCIe WLAN

11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

Bluetooth

Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port, Intel 82579LM, Wake on LAN®

Audio support

High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby®️ Advanced Audio®️ v2 certified, Microsoft Lync™ certified

Intel AMT

Intel Active Management Technology 8.0 (Intel AMT 8.0)

Security chip

Trusted Platform Module (TPM 1.2-compliant)

Keyboard Mouse

Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo®️ logo Enhanced Optical USB Mouse, 1000dpi, black, Lenovo logo

Power supply

150 watts, autosensing, 85% PSU

Machine

Model(s) with 23" Non multi-touch, Monitor stand:

● Business black color
● 22.4" W X 9.7" D X 17.8" H
● 568mm W X 247mm D X 452mm H (including stand)
● 25.7 lb (11.7 kg) in maximum configuration
● Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
● Toolless back cover, stand removal
● Toolless disk, optical drive, memory removal
● Support VESA mount (100mm)

Limited Warranty

3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

Preloaded operating system

Genuine Windows®️ 7 Professional 64

Ready to install applications (only some listed)

● Rescue and Recovery™
● Password Manager
● Business-in-a-Box

Preloaded applications (only some listed)

● ThinkVantage®️ Product Recovery
● ThinkVantage System Update
● ThinkVantage Communication Utility
● ThinkVantage Automatic Lock Utility
● ThinkVantage Power Manager
● View Management Utility
● Lenovo Solution Center
● Lenovo Message Center Plus
● RapidBoot Accelerator
● Lenovo SimpleTap
● Norton™️ Internet Security
(30 days of virus definitions)
● Adobe®️ Reader
● Skype™️ for Windows
● Windows Live™️ Essentials
● Microsoft® Office preloaded; purchase a product key to activate
● Core™️ Burn.Now™️ (DVD±RW)
● Corel DVD MovieFactory™️ (DVD±RW)

Security

● Security chip (see information on left)
● Security slot (in rear for attachment of optional Kensington®️ MicroSaver®️ cable; Kensington lock also locks chassis)
● Power-on password
● Hard disk password
● Boot sequence control
● Boot without keyboard and mouse
● USB port disablement
● Chassis intrusion switch on selected model(s)

Lenovo

ENERGY STAR®️ 6.0-compliant
TCO Certified Edge
TUV Green Mark
ULE Gold
EuP 2013
Cisco EnergyWise compatible
GREENGUARD®️ certified
RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to O-M92Z sheet;
For Lenovo service upgrade options, please go to S-TC sheet
## ThinkCentre M92z (3325) - 23" (Win 8) - withdrawn

### Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory (megapixel)</th>
<th>Disk</th>
<th>Graphics</th>
<th>PCle Mini Card</th>
<th>Media reader</th>
<th>Light sensor</th>
<th>Serial &amp; PS/2 port</th>
<th>Chassis intrusion switch</th>
<th>Stand type</th>
<th>Keyboard/Mouse</th>
<th>Intel vPro</th>
<th>Global</th>
<th>Preload</th>
<th>Ann date (mm/dd/yy)</th>
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<tbody>
<tr>
<td>3325-F6U</td>
<td>i5-3470S</td>
<td>4GBx1 2.0M</td>
<td>500G</td>
<td>HD 2500</td>
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<td>3325-G7U</td>
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<td>HD 2500</td>
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<td>USB</td>
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</tr>
</tbody>
</table>

- **Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology**
- **3-year limited warranty**

### Positioning

**Processor**

Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),
integrated Intel HD Graphics 2500,
integrated 1600MHz dual-channel DDR3 memory controller

**Implementation**

Premium All-In-One PC for the enterprise

Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache),
integrated Intel HD Graphics 2500,
integrated 1600MHz dual-channel DDR3 memory controller

### Memory

16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

### Graphics

Intel HD Graphics 2500 in processor, uses main memory, DirectX 11, 16-core/24-thread dual-core processor

### Display

23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, LED backlight, 250 nits

### Controls

Front: Microphone mute, speaker mute, monitor mute, OSD menu, and power button

### Security

- **Security chip (see information on left)**
- **Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)**
- **Power-on password**
- **Hard disk password**
- **Boot sequence control**
- **Boot without keyboard and mouse**
- **USB port disablement**
- **Chassis intrusion switch on selected model(s)**

### Limited Warranty

- **3-years, limited onsite service**, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

---

See footnotes for important warranty information

US models announced October 23, 2012

US model(s) withdrawn effective December 2013

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(MTRL1-28) January 2014
<table>
<thead>
<tr>
<th>Model</th>
<th>Processor</th>
<th>Memory</th>
<th>Graphics</th>
<th>PCIe</th>
<th>Mini Card</th>
<th>Media reader</th>
<th>Light sensor</th>
<th>Serial &amp; PS2 port</th>
<th>Chassis intrusion switch</th>
<th>Stand type</th>
<th>Keyboard/Mouse</th>
<th>vPro</th>
<th>Global</th>
<th>Preload</th>
<th>Ann date (mm/dd/yy)</th>
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<tbody>
<tr>
<td>3325-G9U 3325</td>
<td>i3-3220</td>
<td>4GBx1</td>
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<td>Win8 Pro64</td>
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<tr>
<td>3325-H2U 3325</td>
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<td>USB</td>
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<td>None</td>
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<td>None</td>
<td>Monitor</td>
<td>USB</td>
<td>vPro</td>
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<td>Win8 Pro64</td>
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<td>Monitor</td>
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<td>None</td>
<td>Monitor</td>
<td>USB</td>
<td>vPro</td>
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<td>Win8 Pro64</td>
<td>10/23/12</td>
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<td>None</td>
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<td>None</td>
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<td>USB</td>
<td>vPro</td>
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<td>Win8 Pro64</td>
<td>10/23/12</td>
<td></td>
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<tr>
<td>3325-L2U 3325</td>
<td>i3-3220</td>
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<td>USB</td>
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<td>None</td>
<td>Win7 Pro64</td>
<td>06/25/13</td>
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</tr>
</tbody>
</table>

Preloaded operating system:
- Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- Some: Windows 8 Pro 64-bit

Preloaded applications (only some listed):
- **Windows 7 models**
  - ThinkVantage Product Recovery
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - Lenovo® Message Center Plus
  - RapidBoot HDD Accelerator
  - Lenovo SimpleTap
  - Adobe® Reader®
  - Corel® Burn.Now™ (DVD±RW)
  - Corel DVD MovieFactory™ (DVD±RW)

- **Windows 8 models**
  - Lenovo Support
  - Lenovo Settings
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Lenovo QuickLaunch
  - Norton™ Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go® (DVD±RW)
  - Cyberlink PowerProducer® (DVD±RW)

**Security**
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

For compatible accessories, please go to O-M2Z2 sheet; For Lenovo service upgrade options, please go to S-TC sheet
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Intel® Core™ i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache)</td>
</tr>
<tr>
<td></td>
<td>Turbo Boost 2.0 (3.9GHz), integrated HD 4000 Graphics</td>
</tr>
<tr>
<td></td>
<td>integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology</td>
</tr>
<tr>
<td></td>
<td>Processor in LGA1155 socket</td>
</tr>
<tr>
<td>Memory</td>
<td>16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)</td>
</tr>
<tr>
<td>Graphics</td>
<td>Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort®) 60Hz</td>
</tr>
<tr>
<td>DP cable</td>
<td>None</td>
</tr>
<tr>
<td>Display</td>
<td>23.0&quot; (580.4mm) Full HD 1080p (1920x1080) TFF color, IPS wide viewing angle, LED backlight, 250 nits, 16.9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector</td>
</tr>
<tr>
<td>Light sensor</td>
<td>Ambient Light Sensor</td>
</tr>
<tr>
<td>Camera</td>
<td>Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off</td>
</tr>
<tr>
<td>Controls</td>
<td>Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button Side: Volume up and down buttons</td>
</tr>
<tr>
<td>Disk</td>
<td>SATA 6.0Gb/s, 3.5&quot; Wide, 7200 rpm</td>
</tr>
<tr>
<td>Optical</td>
<td>DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable</td>
</tr>
<tr>
<td>Onboard SATA</td>
<td>Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar</td>
</tr>
<tr>
<td>Media reader</td>
<td>11-in-1 Single Slot SD media reader</td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel® Q77 Express Chipset</td>
</tr>
<tr>
<td>Rear ports</td>
<td>Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)</td>
</tr>
<tr>
<td>Side ports</td>
<td>Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)</td>
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<tr>
<td>ExpressCard</td>
<td>None</td>
</tr>
<tr>
<td>mSATA</td>
<td>One mSATA slot</td>
</tr>
<tr>
<td>PCIe Mini Card</td>
<td>One PCI Express™ Mini Card slot</td>
</tr>
<tr>
<td>PCIe WLAN</td>
<td>11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter</td>
</tr>
<tr>
<td>Ethernet</td>
<td>One gigabit ethernet port, Intel 82579LM, Wake on LAN®</td>
</tr>
<tr>
<td>Audio support</td>
<td>High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2) Dolby® Advanced Audio® v2 certified, Microsoft Lync™ certified</td>
</tr>
<tr>
<td>Intel AMT</td>
<td>Intel Active Management Technology 8.0 (Intel AMT 8.0)</td>
</tr>
<tr>
<td>Security chip</td>
<td>Trusted Platform Module (TPM 1.2-compliant)</td>
</tr>
<tr>
<td>Keyboard</td>
<td>Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical USB Mouse, black, Lenovo logo</td>
</tr>
<tr>
<td>Mouse</td>
<td>150 watts, autosensing, 85% PSU</td>
</tr>
<tr>
<td>Machine</td>
<td>Model(s) with 23° Non multi-touch, Frame stand:</td>
</tr>
<tr>
<td></td>
<td>• Business black color</td>
</tr>
<tr>
<td></td>
<td>• 22.4&quot; W X 3.7&quot; D X 17.6&quot; H,</td>
</tr>
<tr>
<td></td>
<td>• 668mm W X 93mm D X 447mm H (including stand)</td>
</tr>
<tr>
<td></td>
<td>• 21.5 lb (9.8 kg) in maximum configuration</td>
</tr>
<tr>
<td></td>
<td>• Toolless back cover, stand removal</td>
</tr>
<tr>
<td></td>
<td>• Toolless disk, optical drive, memory removal</td>
</tr>
<tr>
<td></td>
<td>• Support VESA mount (100mm)</td>
</tr>
</tbody>
</table>

Limited Warranty: 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

Preloaded operating system™
Genuine Windows® 7 Professional 64

Ready to install applications (only some listed)
• Rescue and Recovery™
• Password Manager
• Business-in-a-Box

Preloaded applications (only some listed)
• ThinkVantage® Product Recovery
• ThinkVantage System Update
• ThinkVantage Communication Utility
• ThinkVantage Automatic Lock Utility
• ThinkVantage Power Manager
• View Management Utility
• Lenovo Solution Center
• Lenovo Message Center Plus
• RapidBoot® HDD Accelerator
• Lenovo SimpleTap
• Norton™ Internet Security (30 days of virus definitions)
• Adobe® Reader
• Skype® for Windows
• Windows Live™ Essentials
• Microsoft® Office preloaded; purchase a product key to activate
• Corel® Burn Now™ (DVD±RW)
• Corel DVD MovieFactory™ (DVD±RW)

Security
• Security chip (see information on left)
• Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
• Power-on password
• Hard disk password
• Boot sequence control
• Boot without keyboard and mouse
• USB port disablement
• Chassis intrusion switch on selected model(s)

Environmental specifications

EPEAT™ Gold rating
ENERGY STAR® 5.2-compliant
TCO Certified Edge
TUV Green Mark
ULE Gold
EuP 2013
Cisco EnergyWise compatible
GREENGUARD® certified
RoHS-compliant

Supports ThinkVantage Technologies
For compatible accessories, please go to O-M92Z sheet;
For Lenovo service upgrade options, please go to S-TC sheet

Lenovo
(MTRL1-14) January 2014

See footnotes for important warranty information
US model announced June 5, 2012
US model(s) withdrawn effective December 2013
### ThinkCentre M92z (3327) - 23" (GMP) - Win 8 - withdrawn

#### Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>3327-ABU i5-3470S</td>
<td>4GBx1</td>
<td>2.0M</td>
</tr>
<tr>
<td>3327-B2U i5-3470S</td>
<td>4GBx1</td>
<td>2.0M</td>
</tr>
</tbody>
</table>

#### Limited Warranty
- **3-years, limited onsite service**, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

#### Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

#### Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

---

**Positioning**

- **Premium All-In-One PC for the enterprise**

**Processor**

- **Intel® Core™ i5-3470S**
  - 4 cores / 4 threads,
  - 2.9GHz, 6MB cache,
  - Turbo Boost 2.0 (3.6GHz),
  - integrated Intel HD 2500 Graphics,
  - integrated 1600MHz dual-channel DDR3 memory controller,
  - Virtualization Technology

**Implementation**

- Processor in LGA1155 socket

**Memory**

- 16GB max.
- **PC3-12800 1600MHz DDR3**, two 204-pin SODIMM sockets (notebook)

**Graphics**

- **Intel HD Graphics 2500**
  - in processor, uses main memory, DirectX
  - integrated 1600MHz dual-channel DDR3 memory controller,
  - Virtualization Technology

**Audio support**

- High Definition (HD) Audio, Realtek ALC272
- Two internal stereo speakers (3watt x 2)

**Chipset**

- **Intel Q77 Express Chipset**
- **Intel AMT Security chip**
- **Intel Q77 Express Chipset**

**Display**

- **23.0"**
  - Full HD 1080p (1920x1080)
  - TFT color
  - LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio
  - Maximum resolution: 2560x1600 (DisplayPort) @60Hz

**Power supply**

- 150 watts
- Autosensing, 85% PSU

**Preloaded operating system**

- Some: Windows 7 Professional 64 bit preinstalled through downgrade rights in Windows 8 Pro 64-bit

**Preloaded applications**

- **Windows 7 models**
  - ThinkVantage® Product Recovery
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - Lenovo® Message Center Plus
  - RapidBoot HDD Accelerator
  - Lenovo SimpleTap
  - Adobe® Reader®
  - Corel® Burn.Now™ (DVD±RW)
  - Corel DVD MovieFactory® (DVD±RW)

- **Windows 8 models**
  - Lenovo Support
  - Lenovo Settings
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Norton™ Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go® (DVD±RW)
  - Cyberlink PowerProducer® (DVD±RW)

**Security**

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

**Limited Warranty**

- 3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available

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See footnotes for important warranty information

US model(s) withdrawn effective December 2013

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(MTRL1-30) January 2014
<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor Memory</th>
<th>Disk</th>
<th>Graphics</th>
<th>PClE Mini Card</th>
<th>Media reader</th>
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<th>Global</th>
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<td>USB</td>
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<td>Pro 64</td>
<td>06/05/12</td>
</tr>
</tbody>
</table>

- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- 3-year limited warranty

### Positioning
- **Premium All-In-One PC for the enterprise**

### Processor
- Intel® Core™ i3-3220 Processor (2 cores / 4 threads, 3.2GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller
- Intel Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

### Implementation
- Processor in LGA1155 socket

### Memory
- 16GB max, DDR3, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz

### Graphics
- Intel HD Graphics 2500 in processor, uses main memory, DirectX 11, supports dual independent display
- Integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort)@60Hz

### Display
- 23.0” (580.4mm) Full HD 1080p (1920x1080) TFT color
- IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector

### Light sensor
- None

### Multi-touch
- Multi-touch, 2-point support

### Camera
- Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

### Controls
- Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- Side: Volume up and down buttons

### Disk
- SATA 6.0Gbps, 3.5” Wide, 7200 rpm

### Optical Drive
- DVD burner, SATA 1.5Gbps, 12.7mm high, fixed, not removable
- One SATA cable (each 1-drop to device)

### Onboard SATA
- One SATA cable (each 1-drop to device)
- One SATA 0.3Gbps connector and one SATA 6.0Gbps connector on planar

### Chipset
- Intel Q77 Express Chipset

### Rear ports
- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)
- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

### Side ports
- ExpressCard mSATA slot
- One mSATA slot
- One PCI Express® Mini Card slot
- One PCI Express® Mini Card

### PClE Mini Card
- 11b/g/n wireless, PCi Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
- Bluetooth 4.0, wireless in Intel 2230 Wi-Fi + Bluetooth combo adapter

### Ethernet
- One gigabit ethernet port, Intel 82579LM, Wake on LAN®
- Enhancement Optical USB Mouse, black, Lenovo logo

### Audio support
- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio® v2 certified, Microsoft Lync™ certified
- KB5 (MTRL1-15) January 2014

### Intel AMT Security chip
- Trusted Platform Module (TPM 1.2-compliant)
- Intel Active Management Technology 8.0 (Intel AMT 8.0)
- Intel Active Management Technology 8.0 (Intel AMT 8.0)

### Keyboard
- Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo
- Some: Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black

### Mouse
- Some: Enhanced Optical USB Mouse, black, Lenovo logo
- Some: Ultrasmall Plus Wireless Mouse (2.4GHz via USB receiver), black

### Power supply
- 150 watts, autosensing, 85%, PSU
- 150 watts, autosensing, 85%, PSU

### Machine
- Model(s) with 23” multi-touch, Frame stand:
  - Business black color
  - 22.4” W X 3.9” D X 17.6” H
  - 568mm W X 100mm D X 447mm H (including stand)
  - 23.9 lb (10.9 kg) in maximum configuration
  - Toolless back cover, stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

### Limited Warranty
- **3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage** excluding holidays, next business day response time / service upgrades available

---

Preloaded operating system™
- Genuine Windows® 7
- Professional 64

**Ready to install applications** (only some listed)
- Rescue and Recovery™
- Password Manager
- Business-in-a-Box

Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Automatic Lock Utility
- ThinkVantage Power Manager
- View Management Utility
- Microsoft Touch Pack
- Lenovo Solution Center
- Lenovo Message Center Plus
- RapidBoot HDD Accelerator
- Lenovo SimpleTap
- Norton® Internet Security
  - (30 days of virus definitions)
- Adobe® Reader®
- Skype® for Windows
- Windows Live™ Essentials
- Microsoft® Office preloaded:
  - purchase a product key to activate
  - Corel® Burn.Now® (DVD±RW)
  - Corel® DVD MovieFactory® (DVD±RW)

Security
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

- EPEAT™ Gold rating

- ENERGY STAR® 5.2-compliant
- TCO Certified Edge
- TUV Green Mark
- ULE Gold
- EuP 2013
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies
- For compatible accessories, please go to O-M92Z sheet;
- For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

US models announced June 5, November 20, or December 11, 2012
US model(s) withdrawn effective December 2013

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## Positioning

**Processor**
- **Premium All-In-One PC for the enterprise**
  - **Intel® Core™ i3-3220 Processor** (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500,
  - integrated 1600MHz dual-channel DDR3 memory controller
  - **Intel Core i3-3470S Processor** (4 cores / 4 threads, 2.9GHz, 5MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics,
  - integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
  - **Intel Core i3-3220 Processor** (2 cores / 4 threads, 3.3GHz, 3MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics,
  - integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Memory**
- 16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets

**Graphics**
- Intel® HD Graphics 2500 or Intel® HD Graphics 4000 in processor,
- uses main memory, DirectX® 11, external digital monitor support via DisplayPort™, supports dual independent display;
- Maximum resolution: 2560x1600 (DisplayPort) @60Hz

**Display**
- 23.0” (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector

**Light sensor**
- None

**Multi-touch**
- Multi-touch, 2-point support

**Camera**
- Camera on top of screen, 2.0-megapixel, fixed focus,
- integrated digital MIC array with stereo, LED indicator, physical switch on/off

**Disk**
- **Solid State Drive (SSD)** / SATA 6.0Gb/s, 2.5” Wide
- **Hard Disk Drive** / SATA 6.0Gb/s, 3.5” Wide, 7200 rpm

**Optical**
- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

**Onboard SATA**
- Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

**Media reader**
- None

**Chipset**
- Intel® Q77 Express Chipset

**Rear ports**
- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

**Side ports**
- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**ExpressCard**
- None

**mSATA**
- One mSATA slot

**PCle Mini Card**
- One PCI Express® Mini Card slot

**PCle WLAN**
- Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
- Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

**Ethernet**
- Some: Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter

**Audio support**
- High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2)

**Intell® AMT Security chip**
- Trusted Platform Module (TPM 1.2-compliant)

**Keyboard**
- Some: Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo

**Mouse**
- Some: Ultrasonic Plus Wireless Keyboard (2.4GHz via USB receiver), black

**Power supply**
- 150 watts, auto-sensing, 85% PSU

**Machine**
- Model(s) with 23” multi-touch, Monitor stand:
  - Business black color
  - 22.4” W X 10.0” D X 17.8” H
  - 568mm W X 254mm D X 452mm H (including stand)
  - 28.2 lb (12.8 kg) in maximum configuration
  - Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
  - Tootless back cover, stand removal
  - Tootless disk, optical drive, memory removal
  - Support VESA mount (100mm)

**Limited Warranty**
- 3-years, limited onsite service®, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades® available

---

**Preloaded operating system®**
- Genuine Windows® 7 Professional 64

**Ready to install applications (only some listed)**
- Rescue and Recovery®
- Password Manager
- Business-in-a-Box

**Preloaded applications (only some listed)**
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Automatic Lock Utility
- ThinkVantage Power Manager
- View Management Utility
- Microsoft Touch Pack
- Lenovo Solution Center
- Lenovo Message Center Plus
- RapidBoot HDD Accelerator
- Lenovo SimpleTap
- Norton® Internet Security
- (30 days of virus definitions)
- Adobe® Reader®
- Skype® for Windows
- Windows Live® Essentials
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn Now™ (DVD:RW)
- Corel DVD MovieFactory® (DVD:RW)

**Security**
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- USB port disablement
- Chassis intrusion switch on selected model(s)

**ENERGY STAR®**
- Gold rating

**TCO Certified Edge**
- TUV Green Mark
- ULE Gold

**RoHS-compliant**
- Supports ThinkVantage Technologies

**For compatible accessories, please go to O-M92Z sheet;**
- For Lenovo service upgrade options, please go to S-TC sheet;**
### ThinkCentre M92z (3314) - 23" (Multi-touch) - withdrawn

<table>
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<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>Graphics</th>
<th>PCIe Mini Card</th>
<th>WLAN</th>
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<th>Light sensor</th>
<th>Serial &amp; PS/2 intrusion switch</th>
<th>Chassis port</th>
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<th>Key-board/Mouse</th>
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<th>vPro</th>
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### Positioning

- **Premium All-In-One PC for the enterprise**
- **Intel** Core™ i3-3220 Processor (2 cores / 4 threads, 3.3GHz, 3MB cache), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller
- **Intel Core i5-3470S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD 2500 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**
- **Intel Core i3-3470U Processor (4 cores / 8 threads, 1.3GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**

### Graphics

- **Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX 11, external digital monitor support via DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort) @ 60Hz**

### Display

- **23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, work as standalone monitor via DisplayPort-in connector**

### Light sensor

None

### Multi-touch

- Multi-touch, 2-point support

### Camera

- Camera on top of screen, 2.0-megapixel, fixed focus, integrated digital MIC array with stereo, LED indicator, physical switch on/off

### Controls

- **Front:** Microphone mute, speaker mute, monitor mode, OSD menu, and power button
- **Side:** Volume up and down buttons

### Disk

- **Some:** Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
- **Some:** Hard Disk Drive / SATA 6.0Gb/s, 3.5" Wide, 7200 rpm
- **Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar**

### Optical Onboard SATA

- DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

### Chipset

- **Intel Q77 Express Chipset**

### Rear ports

- Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

### Side ports

- Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
- One mSATA slot
- One PCI Express® Mini Card slot
- One 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
- One 11b/g/n, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2
- **Bluetooth:** Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter
- **Ethernet:** One gigabit ethernet port, Intel 82576LM, Wake on LAN®
- **Audio support:** High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3Watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lynch™ certified
- **Intel AMT Security chip:** Intel Active Management Technology 8.0 (Intel AMT 8.0) Trusted Platform Module (TPM 1.2-compliant)
- **Key-board/Mouse:** Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo® logo Enhanced Optical Mouse USB, black, Lenovo logo 150 watts, auto-sensing, 85% PSU
- **Machine:** Model(s) with 23" multi-touch, Monitor stand:
  - Business black color
  - 22.4" W X 10.0" D X 17.8" H
  - 568mm W X 254mm D X 452mm H (including stand)
  - 28.2 lb (12.8 kg) in maximum configuration
  - Tilt: 45° back, -5° forward; Lift: 110mm; Swivel: +/-45°
  - Toolless back cover, stand removal
  - Toolless disk, optical drive, memory removal
  - Support VESA mount (100mm)

### Preloaded operating system

- Genuine Windows® 7 Professional 64

### Ready to install applications

- **Ready to install applications (some only listed):**
  - Rescue and Recovery™
  - Password Manager
  - Business-in-a-Box
  - Intel AMT Intel Active Management Technology 8.0
  - View Management Utility
  - Microsoft® Touch Pack
  - Lenovo Solution Center
  - Lenovo Message Center Plus
  - RapidBoot HDD Accelerator
  - Lenovo SimpleTap
  - Norton® Internet Security (30 days of virus definitions)
  - Adobe® Reader®
  - Skype® for Windows
  - Windows Live™ Essentials
  - Microsoft® Office preloaded; purchase a product key to activate
  - Corel® Burn.Now™ (DVD±RW)
  - Corel® DVD MovieFactory® (DVD±RW)

### Security

- **Security:** (see information on left)
- **Security chip (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis):**
  - Power-on password
  - Hard disk password
  - Boot sequence control
  - Boot without keyboard and mouse
  - USB port disablement
  - Chassis intrusion switch (optional)
  - Chassis intrusion switch on selected model(s)

### Preloaded applications

- **ThinkVantage® Product Recovery**
- **ThinkVantage System Update**
- **ThinkVantage Communication Utility**
- **ThinkVantage Automatic Lock Utility**
- ThinkVantage Power Manager
- **View Management Utility**
- **Microsoft® Touch Pack**
- **Lenovo Solution Center**
- **Lenovo Message Center Plus**
- **RapidBoot HDD Accelerator**
- **Lenovo SimpleTap**
- **Norton® Internet Security**
- **Adobe® Reader®**
- **Skype® for Windows**
- **Windows Live™ Essentials**
- **Microsoft® Office preloaded; purchase a product key to activate**
- **Corel® Burn.Now™ (DVD±RW)**
- **Corel® DVD MovieFactory® (DVD±RW)**

### Preloaded operating system

- ThinkCentre M Series, provides preloaded operating system options:
  - Windows® 7 Professional 64
  - Windows® 7 Professional 32-bit
  - Windows® 7 Ultimate 64-bit
  - Windows® 7 Ultimate 32-bit

### Security features

- Chassis intrusion switch on selected model(s)
- Intel AMT Intel Active Management Technology 8.0
- **ThinkVantage Technologies**
- **For compatible accessories, please go to O-M92Z sheet:**
  - For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US models announced Jun 5, Aug 14, Sep 4, No 20, Dec 11, 2012, or Jan 22, 2013
US model(s) withdrawn effective December 2013

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(MTRL1-17) January 2014
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<th>Chassis intrusion switch</th>
<th>Stand type</th>
<th>Keyboard/Mouse</th>
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<tr>
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<td>Frame</td>
<td>USB</td>
<td>vPro</td>
<td>G P</td>
<td>Pro 64</td>
<td>06/05/12</td>
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</table>

- **Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology**
- **Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty**

**Positioning**

**Premium All-In-One PC for the enterprise**

**Implementation**

**Intel® Core™ i7-3770S Processor (4 cores / 8 threads, 3.1GHz, 8MB cache)**, Turbo Boost 2.0 (3.9GHz), integrated Intel HD 4000 Graphics, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket

**Memory**

16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook)

**Graphics**

Intel HD Graphics 4000 in processor, uses main memory, DirectX 11, external digital monitor support via DisplayPort™, supports dual independent display; **Maximum resolution: 2560x1600 (DisplayPort)@60Hz**

**Audio support**

High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), integrated digital MIC array with stereo, LED indicator, physical switch on/off

**Display**

23.0" (580.4mm) Full HD 1080p (1920x1080) TFT color, IPS wide viewing angle, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, contrast ratio, work as standalone monitor via DisplayPort-in connector

**Camera**

Ambient Light Sensor

**Controls**

Front: Microphone mute, speaker mute, monitor mode, OSD menu, and power button; Side: Volume up and down buttons

**Disk**

SATA 6.0Gb/s, 3.5" Wide, 7200 rpm

**Optical**

DVD burner, SATA 1.5Gb/s, 12.7mm high, fixed, not removable

**Onboard SATA**

Two SATA cables (each 1-drop to device), one SATA 3.0Gb/s connector and one SATA 6.0Gb/s connector on planar

**Media reader**

11-in-1 Single Slot SD media reader

**Chipset**

Intel Q77 Express Chipset

**Rear ports**

Four USB 2.0, ethernet (RJ-45), DisplayPort-out, DisplayPort-in, optional serial (9-pin), optional keyboard (PS/2), optional mouse (PS/2)

**Side ports**

Two USB 3.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**PCIe Mini Card**

One PCI Express Mini Card slot

**PCIe WLAN**

11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

**Optical drive**

One gigabit ethernet port, Intel 82579LM, Wake on LAN

**Audio support**

High Definition (HD) Audio, Realtek ALC272 / Two internal stereo speakers (3watt x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified

**Intel AMT**

Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Security chip**

Trusted Platform Module (TPM 1.2-compliant)

**Keyboard/Mouse**

Preferred Pro USB Keyboard (USB connector), 104-key, black, Lenovo™ logo Enhanced Optical USB Mouse, black, Lenovo logo

**Power supply**

150 watts, autosensing, 85% PSU

**Machine**

Model(s) with 23" multi-touch, Frame stand:

- Business black color
- 22.4" W X 3.9" D X 17.6" H,
- 568mm W X 100mm D X 447mm H (including stand)
- 23.9 lb (10.9 kg) in maximum configuration
- Toolless back cover, stand removal
- Toolless disk, optical drive, memory removal
- Support VESA mount (100mm)

**Limited Warranty**

3-years, limited onsite service, 8 am-5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades available
ThinkCentre M92z Accessories

Product Specifications Reference (PSREF)

Memory
2GB PC3-12800 DDR3 SODIMM 0A65722 ann 06/05/12
4GB PC3-12800 DDR3 SODIMM 0A65723 ann 06/05/12
8GB PC3-12800 DDR3 SODIMM 0A65724 ann 06/05/12

More information at www.lenovo.com/support/desktopmemorycompatibility

Storage and removable storage
500GB SATA 3.0Gb/s Disk (7200 rpm) 43R1990 ann 11/06/07
1TB SATA 3.0Gb/s Disk (7200 rpm) 45J7918 ann 08/19/08
USB 2.0 Portable 500GB Hard Disk 45K1690 ann 05/26/09
USB 3.0 Secure 500GB Hard Drive 0A65619 ann 11/29/11
USB 3.0 Secure 750GB Hard Drive 0A65616 ann 11/29/11
USB 3.0 Secure 1TB Hard Drive 0A65621 ann 08/28/12
Slim USB Portable DVD Burner 0A33988 ann 06/14/11

More information at www.lenovo.com/support/keyboards

Keyboard
Preferred Pro USB Keyboard 73P5220 ann 06/21/05
Enhanced Performance USB Keyboard 73P2620 ann 03/23/04
Ultraslim Plus Wireless Keyboard and Mouse 0A34032 ann 04/05/11
ThinkPad® USB Keyboard with TrackPoint 55Y9003 ann 08/18/09
Lenovo® USB Fingerprint Keyboard 73P4730 ann 02/22/05
Lenovo USB Smartcard Keyboard 51J0155 ann 03/24/09

More information at www.lenovo.com/support/keyboards

Mouse
Lenovo Optical Mouse (USB) 06P4069 ann 05/21/03
Lenovo ScrollPoint® Mouse (USB, Optical) 31P7405 ann 08/27/02
ThinkPad Travel Mouse (USB, Optical) 31P7410 ann 06/04/02
Lenovo Laser Mouse (USB) 41U3074 ann 01/23/07
Lenovo Wireless Laser Mouse 0A36188 ann 12/20/11
ThinkPad USB Laser Mouse 57Y4635 ann 12/15/09

More information at www.lenovo.com/support/mice

Modem
USB 2.0 Lenovo Modem 43R1814 ann 02/26/08

More information at www.lenovo.com/support/monitoraccessories

Monitors
ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) 2448MB6 ann 09/13/11
ThinkVision L2251x Wide 22" (VGA, DP) 2578HB6 ann 10/20/09
ThinkVision LT2323p Wide 23" (VGA, DP, DVI-D) 3024HC1 ann 05/11/12

DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537).

Monitors
Compatible on selected Lenovo and ThinkVision monitors.

More information at www.lenovo.com/support/monitoraccessories

Monitor Accessories
Lenovo USB 3.0 to DVI/VGA Monitor Adapter 0B47072 ann 08/14/12
DisplayPort™ to Single-link DVI-D Cable 45J7915 ann 08/05/08
DisplayPort to VGA Monitor Cable 57Y4393 ann 08/04/09
DisplayPort to DisplayPort Monitor Cable 0A36537 ann 09/13/11
Kensington MicroSaver Cable Lock® 73P2582 ann 12/29/03
Kensington Twin Head Cable Lock® 45K1620 ann 09/30/08
Lenovo Security Cable Lock® 57Y4303 ann 08/24/10

More information at www.lenovo.com/support/monitoraccessories

Multimedia
ThinkPad In-Ear Headphones with mic 57Y4488 ann 01/07/10
Lenovo Mini Speakers M220 55Y2033 ann 01/07/10
Lenovo Speakers M0520 (black) 57Y6360 ann 02/08/11
Lenovo Speakers M0520 (red) 57Y6361 ann 02/08/11
Lenovo Headset P550 55Y2065
Lenovo Headset P950 (black) 57Y6605 ann 02/08/11

For more information on accessories:
www.lenovo.com/accessories
www.lenovo.com/support/accessories
www.lenovo.com/accessoriesguide
www.lenovoquickpick.com

An Options Compatibility Configurator for Lenovo systems

Security
Kensington® MicroSaver® Cable Lock® 73P2582 ann 12/29/03
Kensington Twin Head Cable Lock® 45K1620 ann 09/30/08
Lenovo Security Cable Lock® 57Y4303 ann 08/24/10
USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06

56 Attaching to any form factor not only secures the ThinkCentre to the work area, but it also prevents users from opening the chassis itself.