ThinkCentre M92/M92p Tiny, Small, Tower

Lenovo ThinkCentre M92/M92p Tiny with Optional Serial Port or DisplayPort

Lenovo ThinkCentre M92/M92p Tiny with Floor Stand

Lenovo ThinkCentre M92/M92p Small

Lenovo ThinkCentre M92/M92p Tiny with VESA Mount

Lenovo ThinkCentre M92/M92p Tower

Lenovo ThinkCentre M92/M92p Tiny with External Optical Box
Preloaded operating system
Genuine Windows® 7 Professional 64

Ready to install applications (only some listed):
- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed):
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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

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

EPEAT™ Gold rating
ENERGY STAR® 5.2-compliant
ULE Gold
Cisco EnergyWise compatible
GREENGUARD® certified
RoHS-compliant

Supports ThinkVantage Technologies
For compatible accessories, please go to O-M92 sheet;
For Lenovo service upgrade options, please go to S-TC sheet

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

Positioning
Ultimate security, stability, and manageability for the enterprise

Processor
Intel® Core™ i3-2120T Processor (2 cores / 4 threads, 2.6GHz, 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, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz

Disk
SATA 3.0Gb/s, 2.5" Wide, 5400 rpm

External optical
None

SATA controller
Serial ATA, SATA 6.0Gb/s support, integrated in chipset

Onboard SATA
One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

Chipset
Intel Q77 Express Chipset

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

Rear ports
Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

PCIe Mini Card
One PCI Express® Mini Card slot

PCIe WLAN
None

Audio
High Definition (HD) Audio, Realtek® ALC662 codec

Speaker
Internal speaker for business audio

IEEE 1394
None

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

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

Modem
None

Security chip
Trusted Platform Module (TPM1.2-compliant)

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

Mouse
Enhanced Optical USB Mouse, black, Lenovo logo

Floor Stand
System floor stand for vertical orientation

VESAs
None

Power supply
65 watts AC/DC adapter, autosensing, 87% PSU

Machine
- Business black color; metal case
- 7.1" W X 7.2" D X 1.4" H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

Limited Warranty
1-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 model announced June 5, 2012
©Lenovo
(MHTN1-1) November 2013
### ThinkCentre M92p Tiny (2121) - TopSeller (Thin Client)

**Product Specifications Reference (PSREF)**

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>SATA disk</th>
<th>External optical</th>
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- 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

### Preloaded operating system
- Genuine Windows® 7
- Embedded 32

### Preloaded applications (only some listed)
- Adobe® Reader®
- Adobe Flash® Player
- Citrix® Receiver
- IIS Web Server
- Microsoft® Management Console
- Microsoft Silverlight
- Remote Desktop Protocol
- ThinPrint. print Client
- TightVNC Viewer
- VMware® View Client
- vWorkspace
- Windows Media Player

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

- EPEAT® Gold rating
- ENERGY STAR® 5.2-compliant
- ULE Gold
- GREENGUARD® certified
- RoHS-compliant

- Supports ThinkVantage Technologies

### 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 July 10, 2012 or March 5, 2013

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Positioning
- Ultimate security, stability, and manageability for the enterprise
- Preloaded operating system
- European Union logo (Modified April 2012)
- Finished product licensed under ULE Gold certificate
- DDR3 1600MHz dual-channel memory controller
- Ethernet (RJ-45), VGA DB-15, DisplayPort connector
- Some models have a WiFi, Bluetooth, and DisplayPort connector
- Intel Active Management Technology 8.0 (Intel AMT 8.0)
- Intel C910 Processor (2 cores / 4 threads, 2.9GHz, 3MB cache)
- Energy Star 5.2-compliant
- ENERGY STAR 5.2-compliant
- Cisco EnergyWise compatible
- ENERGY STAR 5.2-compliant
- GEENGUARD® certified
- RoHS-compliant
- Supports ThinkVantage Technologies

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 July 10 or August 14, 2012

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(MHTN1-19) August 2012
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### Graphics

**ThinkCentre M92p Tiny (2121) - TopSeller (Win 8)**

- **Processor**: Intel Core i5-3470T (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

- **Audio**: High Definition (HD) Audio, Realtek

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

- **ExpressCard**: Some: one optional port (USB 2.0 / serial / DisplayPort on selected models)

- **Ethernet**: One gigabit ethernet port, Intel 82579, Wake on LAN®, Boot without keyboard and mouse

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

- **Lens**: Enhanced Optical USB Mouse, black, Lenovo logo

- **Power**: 65 watts AC/DC adapter, autosensing, 87% PSU

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

- **Preloaded applications**: Some: Windows 8 Pro 64-bit

**Security**

- Security chip (see information on left)

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)

- Power-on password

- Administrator password

- Hard disk password

- Boot sequence control

- Boot without keyboard and mouse

- Individual USB port disablement

- Chassis intrusion switch on selected models

**ENERGY STAR®**

- ENERGY STAR® 5.2-compliant

- UL Gold

- Cisco EnergyWise compatible

- GREENGUARD® certified

- RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to O-M92 sheet.

For Lenovo service upgrade options, please go to S-TC sheet.
ThinkCentre M92p Small (2988) - TopSeller

Product Specifications Reference (PSREF)

- 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

Ultimate security, stability, and manageability for the enterprise

Processor

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

Preloaded operating system

Genuine Windows® 7

Professional 64

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)

Memory

32GB max, UDIMM, PC3-12800 1600MHz DDR3. four 240-pin DIMM sockets

Security

- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual 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

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

Genuine Windows® 7

Professional 64

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

Genuine Windows® 7

Professional 64

Ready to install applications (only some listed)

- Rescue and Recovery™
- Password Manager

Preloaded applications (only some listed)

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)
ThinkCentre M92p Small (2988) - TopSeller - II

Product Specifications Reference (PSREF)

Some:
- Memory 32GB max,
- Implementation Processor in LGA1155 socket

Audio
- High Definition (HD) Audio, Realtek
- Internal connector Two USB 2.0 planar conn (1 used; one open for additional USB devices), Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
- Rear ports Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort
- Front ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

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

Graphics
- Some: AMD Radeon HD 7350, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one internal DisplayPort connector, and one eSATA connector

Toolless adapter retention
- Toolless disk and optical drive removal
- Toolless cover flips up and tilts backward on rear hinges

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

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

Supports ThinkVantage Technologies
- For compatible accessories, please go to O-M92 sheet; For Lenovo service upgrade options, please go to S-TC sheet
ThinkCentre M92p Small (2988) - TopSeller (Win 8)

Product Specifications Reference (PSREF)

<table>
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Preloaded operating system:
- Some: Windows 7 Professional 64
- Windows 8 models
  - Lenovo Support
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Norton Internet Security
  - Norton Mobile Security
  - Norton 360

Security:
- Security chip (see information on left)
- Security slot (in rear for attachment of optional Kensington* MicroSaver* cable)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual 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
©Lenovo
US models announced October 23, 2012 or March 3, 2013
(MHNT1-27) March 2013
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### Graphics
- **Some:** Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory. DirectX® 11, one VGA, one DisplayPort®, supports dual independent display.

#### Maximum resolution:
- Intel HD Graphics 2500: 2560x1600 (DisplayPort, VGA)@60Hz
- AMD Radeon™ HD 7350: DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 30 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monitors.

#### Maximum resolution:
- AMD Radeon HD 7450: DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monitors.

### Disk
- SATA 6.0Gb/s 7200 rpm

### Optical
- Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive

### SATA controller
- Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

### Onboard SATA
- Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector

### eSATA port
- None

### Media reader
- None

### Chipset
- Intel® Core™ i5-3550 Processor (4 cores / 4 threads, 3.3GHz, 6MB cache), Turbo Boost 2.0 (3.7GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

### Processor
- Intel® Core™ i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

### Memory
- 32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

### Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

### Speaker
- Internal speaker for business audio

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

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

### 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

### Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- Lenovo SimpleTap
- Norton™ Internet Security

### Security
- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

### Chassis intrusion switch
- Supports ThinkVantage Technologies

See footnotes for important warranty information

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(MHTN1-12) June 2012
### Specifications

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**Positioning**

- Ultimate security, stability, and manageability for the enterprise
- Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Processor**

- Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Implementation**

- Processor in LGA1155 socket

**Audio**

- High Definition (HD) Audio, Realtek

**Front ports**

- Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**Rear ports**

- Four USB 3.0, two USB 2.0, serial (RJ-45), VGA DB-15, DisplayPort

**Rear audio ports**

- Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

**chipset**

- Intel® Q77 Express Chipset

**Chipset**

- Intel® HD Graphics 2500 or Intel® HD Graphics 4000 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display
- Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz

**Graphics**

- AMD Radeon™ HD 7350, DirectX 11, 3D Hardware Acceleration, 512MB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 30 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @60Hz; works along with Intel HD Graphics to support up to four independent monitors
- AMD Radeon HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express x2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @60Hz; works along with Intel HD Graphics to support up to four independent monitors

**Communications**

- Intel® 82579, Wake on LAN®

**Keyboard**

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

**Mouse**

- Enhanced Optical USB Mouse, black, Lenovo logo

**Power supply**

- 280 watts, autosensing, 85% PSU

**Machine**

- Business black color; metal case
- 6.9" W x 17.4" D x 16.3" H
- 175mm W x 442mm D x 414mm H
- 24.2 lb (11.0 kg) in maximum configuration
- Toolless cover removal, toolless adapter retention
- Toolless disk, optical drive removal

**Bay**

- Bay 1: 5.25", 1.6" high, access, standard optical
- Bay 2: 5.25", 1.6" high, access, open
- Bay 3: 3.5", 1" high, access, optical reader
- Bay 4: 3.5", 1" high, access, standard disk
- Bay 5: 3.5", 1" high, access, optical disk

**Slot**

- Slot 1: half-height, full-height, PCI Express x16 (75w max)
- Slot 2: half-height, full-height, PCIe 2.0 x1
- Slot 3: half-height, full-height, 32-bit PCI 2.3
- Slot 4: half-height, full-height, 32-bit PCI 2.3

**Limited Warranty**

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

### Additional Information

- Preloaded operating system: Genuine Windows® 7 Professional 64
- Ready to install applications: (only some listed)
  - Rescue and Recovery™
  - Password Manager
- Preloaded applications: (only some listed)
  - ThinkVantage® Product Recovery
  - ThinkVantage System Update
  - ThinkVantage Communication Utility
  - ThinkVantage Power Manager
  - View Management Utility
  - Lenovo AppShop
  - Lenovo Solution Center
  - Lenovo Message Center Plus
  - Lenovo SimpleTap
  - Norton™ Internet Security
  - Windows Live Essentials
  - Microsoft® Office preloaded;
  - Corel® Burn.Now™ (DVD: RW)
  - Corel DVD MovieFactory® (DVD: RW)

### Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for optional Kensington® MicroSaver® cable)
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

See footnotes for important warranty information

US models announced June 5 or July 10, 2012

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(MHTN1-13) July 2012
### ThinkCentre M92p Tower (2992) - TopSeller (Win 8)

#### Product Specifications Reference (PSREF)

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<td>HD 4000</td>
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<td>64</td>
<td>03/12/13</td>
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</tr>
</tbody>
</table>

#### Positioning

**Processor**

- Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated HD Graphics 2000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core i5-3570 Processor (4 cores / 4 threads, 3.6GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated HD Graphics 2000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core i5-3475S Processor (4 cores / 4 threads, 2.9GHz, 6MB cache), Turbo Boost 2.0 (2.9GHz), integrated HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.4GHz), integrated HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Memory**

- 32GB max
- UDIMM, four 240-pin DIMM sockets
- Integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Turbo Boost 2.0 (3.6GHz), integrated HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Graphics**

- AMD Radeon HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz
- Works along with Intel HD Graphics to support up to four independent monitors

**Disk**

- SATA 6.0Gb/s 7200 rpm

**Operator**

- Ultimate security, stability, and manageability for the enterprise

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
  - Intel® Active Management Technology 8.0 (Intel AMT 8.0)
  - ThinkVantage Power Manager
  - Lenovo® Message Center Plus
  - Lenovo SimpleTap
  - Windows Live™ Essentials
  - Intel® vPro

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

- All models
  - ThinkVantage System Update
  - Lenovo Solution Center
  - View Management Utility
  - Norton Internet Security
  - Microsoft® Office preloaded
  - Purchase a product key to activate
  - Skype®

Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for optional Kensington® MicroSaver® cable)
- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

Supports ThinkVantage Technologies

- For compatible accessories, please go to O-M92 sheet
- For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

US models announced October 23, 2012 or March 12, 2013

©Lenovo (MHTN1-30) March 2013
<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>External optical</th>
<th>Graphics</th>
<th>PCIe Mini Card</th>
<th>WLAN / BT</th>
<th>Optional port</th>
<th>Chassis switch</th>
<th>Floor stand</th>
<th>VESA mount</th>
<th>ENERGY STAR 5.2</th>
<th>Intel vPro</th>
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<th>GMP (P)</th>
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<td>07/09/13</td>
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</table>

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

**Positioning**

**Processor**

**Intel** Celeron G460 Processor (1 core / 2 threads, 1.8GHz, 1.5MB cache), integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller

**Intel Celeron G465 Processor (1 core / 2 threads, 1.9GHz, 1.5MB cache),** integrated Intel HD Graphics, integrated 1066MHz dual-channel DDR3 memory controller

**Intel Celeron G470 Processor (1 core / 2 threads, 2.0GHz, 1.5MB cache),** integrated Intel HD Graphics, integrated 1333MHz dual-channel DDR3 memory controller

**Implementation**

**Memory**

16GB max, PC3-12800 1600MHz DDR3, two 204-pin SODIMM sockets (notebook), System automatically clocks down for processors with 1066MHz or 1333MHz DDR3 memory controller

**Graphics**

Intel HD Graphics in processor, uses main memory, HDCP, DirectX 10.1, one VGA, one DisplayPort, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz

**DP dongle**

None

**Disk**

Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide

**External optical**

None

**SATA controller**

Serial ATA, SATA 6.0Gb/s support, integrated in chipset

**Onboard SATA eSATA port**

One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

**Chipset**

Intel Q77 Express Chipset

**Front ports**

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

**Rear ports**

Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

**PCle Mini Card**

One PCI Express Mini Card slot

**PCle WLAN**

None

**Bluetooth**

None

**Audio**

High Definition (HD) Audio, Realtek ALC662 codec

**Speaker**

Internal speaker for business audio

**IEEE 1394**

None

**Ethernet**

One gigabit ethernet port, Intel 82579, Wake on LAN

**Intel AMT**

Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Modem**

None

**Security chip**

Trusted Platform Module (TPM1.2-compliant)

**Keyboard**

None

**Mouse**

None

**Floor Stand**

None

**VESA mount**

None

**Power supply**

65 watts AC/DC adapter, autosensing, 87% PSU

**Machine**

- Business black color; metal case
- 7.1” W X 7.2” D X 1.4” H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

**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 July 10, 2012, January 8, 2013, or July 9, 2013

©Lenovo (MHTN1-23) July 2013
## ThinkCentre M92 Small (3207) - withdrawn

| Type-model | Slot x | Processor | Memory | SATA disk GB | SATA optical | Media reader | Graphics | Display Port | Chassis switch | Floor stand | ENERGY STAR 5.2 | Intel vPro Global | Win7 preload (mm/dd/yy) | Ann date (mm/dd/yy) |
|------------|--------|-----------|--------|--------------|--------------|--------------|----------|-------------|---------------|-------------|----------------|----------------|----------------------|-------------------|------------------|
| 3207-ABU   | 4x3    | i3-2120   | 2GBx1  | 1600MHz      | 250G 7200    | None         | None     | None        | HD 2000       | None         | ES52           | None           | Pro 32              | 06/05/12          |
| 3207-A9U   | 4x3    | i3-2120   | 4GBx1  | 1600MHz      | 500G 7200    | None         | None     | None        | HD 2000       | None         | ES52           | None           | Pro 32              | 06/05/12          |

### Preloaded operating system
- Genuine Windows® 7
- Professional 32

### Preloaded applications (only some listed)
- Rescue and Recovery™
- Password Manager

### Ready to install applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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®

### Chipset
- Intel® Q77 Express Chipset

### Graphics
- Intel HD Graphics 2000

### Memory
- 32GB max, UDIMM, PC3-12800 1600MHz DDR3

### 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 Processor in LGA1155 socket

### Disk
- SATA 6.0Gb/s 7200 rpm

### Optical
- Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive

### Onboard SATA
- Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

### eSATA port
- None

### Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

### Front ports
- Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

### Rear ports
- Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort

### Rear audio ports
- Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

### Internal connector
- Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector

### Speaker
- Internal speaker for business audio

### IEEE 1394
- None

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

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

### Machine
- Business black color; metal case
- 13.3” W X 15.2” D X 3.9” H
- 338mm W X 385mm D X 100mm H
- 16.5 lb (7.5 kg) in maximum configuration

### Bay
- Bay 1: 5.25”, 1.6” high, access, std optical
- Bay 2: 3.5”, 1” high, no access, std disk

### Slot
- Slot 1: Low Profile, PCI Express 2.0x16 (45w max)
- Slot 2: Low Profile, PCIe 2.0 x1
- Slot 3: Low Profile, 32-bit PCI 2.3
- Slot 4: Low Profile, 32-bit PCI 2.3

### 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>2nd Disk Bay</th>
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<th>Media reader</th>
<th>Graphics</th>
<th>PCIe Mini Card</th>
<th>WLAN / BT</th>
<th>Chassis intrusion switch</th>
<th>ENERGY STAR 5.2</th>
<th>Intel vPro Global</th>
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</table>

★3-year limited warranty

Positioning
Ultimate security, stability, and manageability for the enterprise

Processor
**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

**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

**Intel Core i3-3240 Processor (2 cores / 4 threads, 3.4GHz, 3MB cache),** integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller

Implementation
Processor in LGA1155 socket

Memory
32GB max, four 240-pin DIMM sockets

Graphics
**Some:** Intel HD Graphics 2000 in processor, uses main memory, HDCP, DirectX® 10.1, one VGA, one DisplayPort™, supports dual independent display.

**Some:** Maximum resolution: 2560x1600 (DisplayPort, VGA) @ 60Hz

**Some:** AMD Radeon™ HD 7450, DirectX 11, 3D Hardware Acceleration, 1GB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @ 60Hz; works along with Intel HD Graphics to support up to four independent monitors

DP dongle
None

Disk
SATA 6.0Gb/s 7200 rpm

Optical
Super Multi-Burner DL DVDs+RW SATA 1.5Gb/s Drive

SATA controller
Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

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

eSATA port
None

Media reader
Some: 29-in-1 media reader, internal USB 2.0

Chipset
**Intel Q77 Express Chipset**

Front ports
Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports
Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort

Rear audio ports
Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

Internal connector
Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector

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

Audio
High Definition (HD) Audio, Realtek® ALC662 codec

Speaker
Internal speaker for business audio

IEEE 1394
None

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

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

Modem
None

Security chip
Trusted Platform Module (TPM1.2-compliant)

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

Mouse
Enhanced Optical USB Mouse, black, Lenovo logo

Power supply
280 watts, autoselecting, 85% PSU

Machine
● Business black color; metal case

● 6.9” W X 17.4” D X 16.3” H

● 175mm W X 442mm D X 414mm H

● 24.2 lb (11.0 kg) in maximum configuration

● Toolless cover removal, toolless adapter retention

● Toolless disk, optical drive removal

Bay
Bay 1: 5.25”, 1.6” high, access, std optical

Bay 2: 2.5”, 1.6” high, access, open

Bay 3: 3.5”, 1” high, access, opt reader

Bay 4: 3.5”, 1” high, no access, std disk

Bay 5: 3.5”, 1” high, no access, opt disk

Slot
Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)

Slot 2: half-length, full-height, PCI Express 2.0 x1

Slot 3: half-length, full-height, 32-bit PCI 2.3

Slot 4: half-length, full-height, 32-bit PCI 2.3

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
Some: Genuine Windows® 7 Professional 32
Some: Genuine Windows 7 Professional 64

Ready to install applications (only some listed)
● Rescue and Recovery™
● Password Manager

Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo® AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)

● One lock to secure both cover and entire system to fixed object:
- Padlock loop (in rear for opt padlock)
- Security slot (in rear for optional Kensington® MicroSaver® cable)

● Boot sequence control

● Boot without keyboard and mouse

● Serial port I/O control

● Individual USB port disablement

● Chassis intrusion switch on selected model(s)

See footnotes for important warranty information

US models announced June 5 or November 6, 2012

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(MHTN11) November 2012
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<th>Floor Stand</th>
<th>VESA Mount</th>
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<td>Emb 32/03/05/13</td>
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</table>

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

### Preloaded Operating System
- Genuine Windows® 7 Embedded 32

### Preloaded Applications (only some listed)
- Adobe® Reader®
- Adobe Flash® Player
- Citrix® Receiver
- IIS Web Server
- Microsoft® Management Console
- Microsoft Silverlight
- Remote Desktop Protocol
- ThinPrint .print Client
- TightVNC Viewer
- VMware® View Client
- vWorkspace
- Windows Media Player

### Processor
- 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

### 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, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz

### Bluetooth
- Some: Bluetooth 4.0 wireless, integrated in Intel 2230 Wi-Fi + Bluetooth combo adapter, 2x2

### Disk
- Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide

### Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

### Speaker
- Internal speaker for business audio

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

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

### Power Supply
- 65 watts AC/DC adapter, autosensing, 87% PSU

### Machine
- Business black color; metal case
- 7.1" W X 7.2" D X 1.4" H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

### 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 July 10, 2012 or March 5, 2013
©Lenovo
(MHNTN1-21) March 2013
## ThinkCentre M92p Tiny (3243)

### Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>SATA disk</th>
<th>External optical</th>
<th>Graphics</th>
<th>PCIe Mini Card</th>
<th>Optional Chassis port</th>
<th>Floor Stand</th>
<th>VESA mount</th>
<th>ENERGY STAR 5.2</th>
<th>Intel vPro Global</th>
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<th>Ann date (mm/dd/yy)</th>
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</table>

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

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

### Ready to install applications (only some listed)
- Rescue and Recovery™
- Password Manager

### Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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

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

### EPEAT™ Gold rating
- ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

### Support
- ThinkVantage Technologies
- For compatible accessories, please go to O-M92 sheet;
- For Lenovo service upgrade options, please go to S-TC sheet

### Limited Warranty
- 1-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 model announced June 5, 2012

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(MHTN1-2) June 2012
### ThinkCentre M92p Tiny (3238)

<table>
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<th>Type-model</th>
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<th>Memory</th>
<th>SATA disk GB rpm</th>
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<th>Graphics</th>
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</table>

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

### Positioning
- **Ultimate security, stability, and manageability for the enterprise**

### Processor
- **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**

### 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® 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz**

### Disk
- SATA 3.0Gb/s, 2.5" Wide, 5400 rpm

### External optical
- Some: Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in

### SATA controller
- Serial ATA, SATA 6.0Gb/s support, integrated in chipset

### Onboard SATA eSATA port
- One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

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

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

### Rear ports
- Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

### PCIe Mini Card
- One PCI Express® Mini Card slot

### PCIe WLAN
- None

### Bluetooth
- None

### Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

### Speaker
- Internal speaker for business audio

### IEEE 1394
- None

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

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

### Modem
- None

### Security chip
- Trusted Platform Module (TPM1.2-compliant)

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

### Mouse
- Enhanced Optical USB Mouse, black, Lenovo logo

### Floor Stand
- Some: System floor stand for vertical orientation

### VESA mount
- Some: Supports VESA 75mm and 100mm mount standard

### Power supply
- 65 watts AC/DC adapter, autoselect, 87% PSU

### Machine
- Business black color, metal case
- 7.1" W X 7.2" D X 1.4" H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

### Preloaded operating system
- **Some:** Genuine Windows® 7 Professional 32
- **Some:** Genuine Windows 7 Professional 64

### Ready to install applications (only some listed)
- Rescue and Recovery™
- Password Manager

### Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- Lenovo Simple Tap
- 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)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

### EPEAT™ Gold rating
- ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

### 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

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(MHTN1-3) June 2012
### ThinkCentre M92p Tiny (3238) - II

#### Product Specifications Reference (PSREF)

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

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

---

**Positioning and Processor**

- **Intel® Core™ i5-3470T Processor (2 cores / 4 threads, 2.3GHz, 3MB cache),** Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology Processor in LGA1155 socket

**Memory**

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

**Graphics**

- Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz

**Disk**

- None

**External optical**

- None: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide
- Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" Wide

**SATA controller**

- Serial ATA, SATA 6.0Gb/s support, integrated in chipset

**Onboard SATA eSATA port**

- One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

**Chipset**

- Intel® Q77 Express Chipset

**Front ports**

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

**Rear ports**

- Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

**PCIe Mini Card**

- One PCI Express® Mini Card slot

**PCIe WLAN**

- Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1
- Some: 11b/g/n wireless, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2

**Audio**

- High Definition (HD) Audio, Realtek® ALC662 codec

**Speaker**

- None

**IEEE 1394**

- None

**Ethernet**

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

**Intel AMT**

- Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Modem**

- None

**Security chip**

- Trusted Platform Module (TPM1.2-compliant)

**Keyboard and Mouse**

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

**Floor Stand**

- Some: System floor stand for vertical orientation

**VESA mount**

- Some: Supports VESA 75mm and 100mm mount standard

**Power supply**

- 65 watts AC/DC adapter, autoselecting, 87% PSU

**Machine**

- Business black color, metal case
- 7.1" W X 7.2" D X 1.4" H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

**Preloaded operating system**

- Genuine Windows® 7
- Professional 64

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

- Rescue and Recovery™
- Password Manager

**Preloaded applications (only some listed)**

- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
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- 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)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

**ENERGY STAR® Gold rating**

- ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

**EPEAT® Gold rating**

- Supports ThinkVantage Technologies

**For compatible accessories,**

- please go to S-TC sheet
- please go to O-M92 sheet;

**RoHS-compliant**

- GREENGUARD® Certified
- ENERGY STAR® 5.2-compliant

**UL60950-1:**

- Certified

**UL CE:**

- Certified

**UL 60950-1:**

- Certified

**UL CE:**

- Certified

**Safety:**

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

See footnotes for important warranty information

US models announced June 19, July 10, or November 6, 2012

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(MHTN1-17) November 2012
## ThinkCentre M92p Tiny (3238) - Windows 8

### Product Specifications Reference (PSREF)

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### 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
  - Adobe® Reader®
  - Corel® Burn NowTM (DVD±RW)
  - Corel DVD MovieFactory® (DVD±RW)

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

- **All models**
  - ThinkVantage System Update
  - Lenovo Solution Center
  - View Management Utility
  - Norton™ Internet Security (30 days of virus definitions)
  - Microsoft® Office preloaded; 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)
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

### Limited Warranty

- 3-years, limited onsite service
- For compatible accessories, please go to O-M92 sheet
- For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information


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### Preloaded operating system

- Genuine Windows® 7
- Embedded 32

### Preloaded applications (only some listed)
- Adobe® Reader®
- Adobe Flash® Player
- Citrix® Receiver
- IIS Web Server
- Microsoft® Management Console
- Microsoft Silverlight
- Remote Desktop Protocol
- ThinPrint .print Client
- TightVNC Viewer
- VMware® View Client
- vWorkspace
- Windows Media Player

### Positioning
- Ultimate security, stability, and manageability for the enterprise

### Processor
- 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

### 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® 11, one VGA, one DisplayPort™, one optional DisplayPort, supports up to triple independent display;
- Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz

### DP dongle
- None

### Disk
- Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" Wide

### External optical
- None

### SATA controller
- Serial ATA, SATA 6.0Gb/s support, integrated in chipset

### Onboard SATA
- One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

### Chipset
- Intel Q77 Express Chipset

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

### Rear ports
- Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

### PCIe Mini Card
- One PCI Express® Mini Card slot

### PCIe WLAN
- None

### Bluetooth
- None

### Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

### Speaker
- Internal speaker for business audio

### IEEE 1394
- None

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

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

### Modem
- None

### Security chip
- Trusted Platform Module (TPM1.2-compliant)

### Keyboard
- None

### Mouse
- None

### Floor Stand
- None

### VESA mount
- None

### Power supply
- 65 watts AC/DC adapter, autosensing, 87% PSU

### Machine
- Business black color; metal case
- 7.1" W X 7.2" D X 1.4" H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

### Limitations
- 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 model announced July 10, 2012

©Lenovo (MHTN1-22) July 2012
### ThinkCentre M92p Tiny (3237) - GMP

#### Product Specifications Reference (PSREF)

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<th>Processor</th>
<th>Memory</th>
<th>SATA disk</th>
<th>External optical</th>
<th>Graphics</th>
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<th>Chassis intr switch</th>
<th>Floor stand</th>
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**Philosophy**

- 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

Ultimate security, stability, and manageability for the enterprise

**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® 11, two 204-pin SODIMM sockets (notebook)

**Disk**

SATA 3.0Gb/s, 2.5" Wide, 5400 rpm

**External optical**

Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in

**SATA controller**

Serial ATA, SATA 6.0Gb/s support, integrated in chipset

**Onboard SATA eSATA port**

One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

**Chipset**

Intel Q77 Express Chipset

**Front ports**

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

**Rear ports**

Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

**PCle Mini Card**

One PCI Express® Mini Card slot

**PCle WLAN**

None

**Bluetooth**

None

**Audio**

High Definition (HD) Audio, Realtek® ALC662 codec

**Speaker**

Internal speaker for business audio

**IEEE 1394**

None

**Ethernet**

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

**Intel AMT**

Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Modem**

None

**Security chip**

Trusted Platform Module (TPM1.2-compliant)

**Keyboard**

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

**Mouse**

Enhanced Optical USB Mouse, black, Lenovo logo

**Floor Stand**

None

**VESa mount**

Supports VESA 75mm and 100mm mount standard

**Power supply**

65 watts AC/DC adapter, autoselecting, 87% PSU

**Machine**

- Business black color, metal case
- 7.1" W X 7.2" D X 1.4" H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

**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 model announced June 5, 2012

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(MHTN1-4) June 2012
ThinkCentre M92p Tiny (3237) - GMP (Win 8)

Positioning
- Ultimate security, stability, and manageability for the enterprise

Processor
- 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

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 11, one DisplayPort™, one optional DisplayPort, supports up to triple independent display;
- Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz

DP dongle
- None

Disk
- SATA 3.0Gb/s, 2.5” Wide, 5400 rpm

External optical
- Slim DVD burner box, SATA 1.5Gb/s, 12.7mm high, tray-in

SATA controller
- Serial ATA, SATA 6.0Gb/s support, integrated in chipset

Onboard SATA eSATA port
- One SATA cable (1-drop to device), one SATA 6.0Gb/s connector on planar

Chipset
- Intel Q77 Express Chipset

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

Rear ports
- Two USB 3.0, one USB 2.0 (external ODD occupies USB 2.0 port on some models), ethernet (RJ-45), VGA DB-15, DisplayPort connector, one optional port (USB 2.0 / serial / DisplayPort on selected models)

PCle Mini Card
- None

PCle WLAN
- None

Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

Speaker
- Internal speaker for business audio

IEEE 1394
- None

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

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

Modem
- None

Security chip
- Trusted Platform Module (TPM1.2-compliant)

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

Mouse
- Enhanced Optical USB Mouse, black, Lenovo logo

Stand
- None

VESA mount
- Supports VESA 75mm and 100mm mount standard

Power supply
- 65 watts AC/DC adapter, autosensing, 87% PSU

Machine
- Business black color; metal case
- 7.1” W X 7.2” D X 1.4” H
- 179mm W X 182mm D X 34.5mm H
- 9.1 lb (4.1 kg) in maximum configuration (including External Optical Box)

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® AppShop
  - Lenovo Message Center Plus
  - Lenovo SimpleTap
  - Adobe® Reader®
  - Windows Live Essentials
  - Corel® Burn.Now™ (DVD±RW)
  - Corel DVD MovieFactory® (DVD±RW)
- Windows 8 models
  - Lenovo Support
  - Lenovo Companion
  - Lenovo Cloud Storage
  - Norton™ Studio
  - AccuWeather
  - Evernote®
  - Cyberlink Power2Go® (DVD±RW)
  - Cyberlink PowerProducer® (DVD±RW)
- All models
  - ThinkVantage System Update
  - Lenovo Solution Center
  - View Management Utility
  - Norton Internet Security (30 days of virus definitions)
  - Microsoft® Office preloaded; purchase a product key to activate
  - Skype®

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

ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies
- For compatible accessories, please go to O-M92 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

See footnotes for important warranty information
US models announced October 23, 2012
©Lenovo
(MHTN1-26) October 2012
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*Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology

3-year limited warranty

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**Positioning**

**Ultimate security, stability, and manageability for the enterprise**

**Processor**

- Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache)
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500

**Graphics**

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

**Memory**

- 4GBx1
- 1600MHz

**Hard disk**

- 500GB
- 7200 rpm

**Audio**

- HD Audio, Realtek

**Rear audio ports**

- Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

**Front ports**

- Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**Chipset**

- Intel Q77 Express Chipset

**Front ports**

- Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**Rear ports**

- Four USB 2.0, two USB 2.0, serial (9-pin), Ethernet (RJ-45), VGA DB-15, DisplayPort

**Rear audio ports**

- Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

**Internal connector**

- Two USB 2.0 planar conn (1 used; one open for additional USB devices), internal DisplayPort connector

**Audio**

- High Definition (HD) Audio, Realtek® ALC662 codec

**Speaker**

- Internal speaker for business audio

**IEEE 1394**

- None

**Ethernet**

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

**Intel AMT**

- Intel Active Management Technology 8.0 (Intel AMT 8.0)

**Modern**

- None

**Security chip**

- Trusted Platform Module (TPM1.2-compliant)

**Keyboard/Mouse**

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

**Floor Stand**

- System floor stand for vertical orientation

**Power supply**

- 240 watts, autosensing, 85% PSU

**Machine**

- Business black color; metal case
- 13.3” W X 15.2” D X 3.9” H
- 338mm W X 835mm D X 100mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk and optical drive removal
- Toolless adapter retention
- Business black color; metal case
- 13.3” W X 15.2” D X 3.9” H
- 338mm W X 835mm D X 100mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk and optical drive removal
- Toolless adapter retention

**Bay**

- Slot 1: Low Profile, PCI Express 2.0 x16 (48w max)
- Slot 2: Low Profile, PCIe 2.0 x1
- Slot 3: Low Profile, 32-bit PCI 2.3
- Slot 4: Low Profile, 32-bit PCI 2.3

**Limited Warranty**

- 3-years, limited onsite service

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See footnotes for important warranty information

US models announced June 5 or July 10, 2012

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(MHTN1-8) July 2012
ThinkCentre M92p Small (3209) - II

Product Specifications Reference (PSREF)

Audio
High Definition (HD) Audio, Realtek

Rear ports
Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort

Chipset
Intel Q77 Express Chipset

Media reader
None

eSATA port
None

Onboard SATA
Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 6.0Gb/s connector, and one eSATA connector

Front ports
Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Processor
Intel® Core™ i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4600, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Memory
32GB max,

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

Modem
None

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

Slot
Slots 1: Low Profile, PCI Express 2.0 x16 (45w max)

Machine
- Business black color; metal case
- 13.3” W x 15.2” D x 3.9” H
- 338mm W x 385mm D x 100mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk and optical drive removal
- Toolless adapter retention

Power supply
240 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

See footnotes for important warranty information

US models announced June 5, 2012

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(MHTN1-9) June 2012
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<thead>
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**ThinkCentre M92p Small (3209) - Windows 8**

Product Specifications Reference (PSREF)

Some:

- **Graphics**
  - 32GB max, 4GBx1, 500G, 1600Mhz DDR3, four 240-pin DIMM sockets

- **Memory**
  - Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® X, one VCA, one DisplayPort®, supports dual independent display.

- **Processor**
  - Intel® Core™ i5-3570 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, 1600Mhz dual-channel DDR3 memory controller, Virtualization Technology

- **Positioning**
  - Ultimate security, stability, and manageability for the enterprise

**Preloaded operating system**

Windows® 8 Pro 64-bit

**Preloaded applications** (only some listed)

- ThinkVantage® System Update
- View Management Utility
- Lenovo® Support
- Lenovo Cloud Storage
- Lenovo QuickLaunch
- Lenovo Solution Center
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)
- Norton Studio
- Intel AppUp®
- AccuWeather
- PC Device Stage
- Evernote®
- Skype™
- 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)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

- EPEAT™ Gold rating
- ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies

For compatible accessories, please go to O-M92 sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information

US models announced October 23, 2012

©Lenovo (MHTN1-28) October 2012
**ThinkCentre M92p Small (3209) - Windows 8 - II**

**Product Specifications Reference (PSREF)**

### Positioning

- **Processor**
  - Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
  - Intel Core i7-3770 Processor (4 cores / 4 threads, 3.6GHz, 8MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

### Graphics

- **Some:** Intel HD Graphics 2500 / 4000 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display;
  - Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz

- **Some:** AMD Radeon™ HD 7350, DirectX 11, 512MB, PCI Express® 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 30 watts;
  - Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @60Hz;
  - works along with Intel HD Graphics to support up to four independent monitors

- **Some:** AMD Radeon HD 7450, DirectX 11, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts;
  - Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @60Hz;
  - works along with Intel HD Graphics to support up to four independent monitors

### Chipset

- **Intel® Q77 Express Chipset**
  - Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
  - Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort
  - Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
  - Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector

### Internal connector

- **Audios:** High Definition (HD) Audio, Realtek® ALC662 codec
  - Internal speaker for business audio

### Board and cable lock

- **ThinkVantage Technologies**
  - AppShop®
  - Lenovo Solution Center
  - Lenovo Help Center
  - Lenovo Support

- **Intel® vPro**
  - Supports ThinkVantage Technologies
  - For compatible accessories, please go to O-M92 sheet;
  - For Lenovo service upgrade options, please go to O-M92 sheet
  - Please go to O-M92 sheet

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**See footnotes for important warranty information**

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US models announced October 23, 2012

(MHTN1-33) October 2012
### Product Specifications Reference (PSREF)

#### ThinkCentre M92p Small (3209) - Windows 8 - III

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<th>Processor</th>
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<th>Graphics</th>
<th>DisplayPort dongle</th>
<th>Chassis intrusion switch</th>
<th>Floor stand</th>
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*Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
*3-year limited warranty

#### Positioning
- Ultimate security, stability, and manageability for the enterprise

#### Processor
- **Intel® Core™ i5-3475S Processor (4 cores / 4 threads)**
- 2.9GHz, 6MB cache, Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

#### Implementation
- Processor in LGA1155 socket

#### Memory
- 32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

#### Graphics
- **AMD Radeon™ HD 7450**, DirectX 11, 1GB, PCI Express 2.0 x16 adapter, one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 25 watts; Maximum resolution: 2560x1600 (DisplayPort, DVI-I)@60Hz; works along with Intel HD Graphics to support up to four independent monitors

#### DP dongle
- None

#### Disk
- SATA 6.0Gb/s 7200 rpm

#### Optical
- Super Multi-Burner DL DVDs±RW SATA 1.5Gb/s Drive

#### SATA controller
- Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

#### Onboard SATA
- Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector

#### eSATA port
- None

#### Media reader
- None

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

#### Front ports
- Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

#### Rear ports
- Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort

#### Rear audio ports
- Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

#### Internal connector
- Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector

#### Audio
- High Definition (HD) Audio, Realtek® ALC662 codec

#### Speaker
- Internal speaker for business audio

#### IEEE 1394
- None

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

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

#### Modern
- None

#### Security chip
- Trusted Platform Module (TPM1.2-compliant)

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

#### Mouse
- Enhanced Optical USB Mouse, black, Lenovo logo

#### Floor Stand
- System floor stand for vertical orientation

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

#### Machine
- Business black color; metal case
- 13.3” W X 15.2” D X 3.9” H
- 338mm W X 385mm D X 100mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk and optical drive removal
- Toolless adapter retention

#### Bay
- Bay 1: 5.25”, 1.6” high, access, standard optical
- Bay 2: 3.5”, 1” high, no access, standard disk
- Bay 3: 3.5”, 5” high, access, optional reader

#### Slot
- Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)
- Slot 2: Low Profile, PCIe 2.0 x1
- Slot 3: Low Profile, 32-bit PCI 2.3
- Slot 4: Low Profile, 32-bit PCI 2.3

---

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

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

*Preloaded applications (only some listed)
- ThinkVantage™ Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo® AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)

*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 announced March 12, 2013

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(MHTN1-35) March 2103
### ThinkCentre M92p Small (3227) - GMP

#### Product Specifications Reference (PSREF)

**Positioning**
- Ultimate security, stability, and manageability for the enterprise

**Processor**
- **Intel® Core™ i5-3470** (4 cores / 4 threads, 3.4GHz, 6MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 DDR3 memory controller, Virtualization Technology
- **Intel Core i7-3770 Processor** (4 cores / 8 threads, 3.4GHz, 8MB cache), Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 DDR3 memory controller, Virtualization Technology

**Implementation**
- Processor in LGA1155 socket

**Memory**
- 32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

**Graphics**
- **Intel HD Graphics 2500**
- **Intel HD Graphics 4000** or **Intel HD Graphics 4000** in processor, uses main memory, Intel® Turbo Boost Technology 2.0 (3.6GHz), Intel® Hyper-Threading Technology, Intel® 64 Technology, Intel® 64 Bit Computing Technology, Intel® Core™ i7-3770 Processor, Intel® Core™ i7-3770 Processor
- Processor in LGA1155 socket

**Disk**
- SATA 6.0Gb/s/7200 rpm

**Optical controller**
- Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive

**Onboard SATA**
- Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support
- Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector

**eSATA port**
- None

**Media reader**
- None

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

**Front ports**
- Two USB 2.0, microphone ( stereo, 3.5mm), headphone ( stereo, 3.5mm)

**Rear ports**
- Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort
- Line-in ( stereo, 3.5mm), line-out ( stereo, 3.5mm), microphone-in ( stereo, 3.5mm)
- Two USB 2.0, planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector

**Audio**
- High Definition (HD) Audio, Realtek® ALC662 codec

**Speaker**
- Internal speaker for business audio

**Ethernet**
- One gigabit ethernet port, Intel 82579, Wake on LAN®
- Intel® Active Management Technology 8.0 (Intel AMT 8.0)

**Modem**
- None

**Security chip**
- Trusted Platform Module (TPM1.2-compliant)

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

**Mouse**
- Enhanced Optical USB Mouse, black, Lenovo logo

**Floor Stand**
- System floor stand for vertical orientation

**Power supply**
- 240 watts, autoselecting, 85% PSU

**Machine**
- Business black color; metal case
- 13.9" W X 15.2" D X 3.9" H
- 338mm W X 385mm D X 100mm H
- 16.5 lb (7.5 kg) in maximum configuration
- Toolless cover flips up and tilts backward on rear hinges
- Toolless disk and optical drive removal
- Toolless adapter retention

**Bay**
- Bay 1: 5.25", 16" high, access, std optical
- Bay 2: 3.5", 1" high, no access, std disk
- Bay 3: 3.5", 5" high, access, opt reader

**Slot**
- Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)
- Slot 2: Low Profile, PCIe 2.0 x1
- Slot 3: Low Profile, 32-bit PCI 2.3
- Slot 4: Low Profile, 32-bit PCI 2.3

**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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For compatible accessories, please go to O-M92 sheet; For Lenovo service upgrade options, please go to S-TC sheet

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See footnotes for important warranty information

US models announced June 5 or June 19, 2012

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(MHTN1-10) June 2012
ThinkCentre M92p Small (3227) - GMP (Win 8)

Product Specifications Reference (PSREF)

Positioning
Ultimate security, stability, and manageability for the enterprise

Processor
Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology in processor in LGA1155 socket

Memory
32GB max, DDR3, UDIMM, 1600MHz, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA)@60Hz

Disk
SATA 6.0Gb/s, 7200 rpm

Optical
Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive

SATA controller
Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

Graphics
Intel HD Graphics 2500 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display

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

Audio
High Definition (HD) Audio, Realtek® ALC662 codec

Speaker
Internal speaker for business audio

IEEE 1394
None

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

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

Modem
None

Security chip
Trusted Platform Module (TPM1.2-compliant)

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

Mouse
Enhanced Optical USB Mouse, black, Lenovo logo

Floor Stand
System floor stand for vertical orientation

Power supply
240 watts, autosensing, 85% PSU

Machine
Business black color; metal case

3.3" W X 15.2" D X 3.9" H

338mm W X 385mm D X 100mm H

16.5 lb (73 kg) in maximum configuration

Toolless cover flips up and tilts backward on rear hinges

Toolless disk and optical drive removal

Toolless adapter retention

Bay
Bay 1: 5.25", 1.6" high, access, std optical
Bay 2: 3.5", 1.0" high, no access, std disk
Bay 3: 3.5", 5" high, access, opt reader

Slot
Slot 1: Low Profile, PCI Express 2.0 x16 (45w max)
Slot 2: Low Profile, PCIle 2.0 x1
Slot 3: Low Profile, 32-bit PCI 2.3
Slot 4: Low Profile, 32-bit PCI 2.3

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
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® AppShop
  - Lenovo Message Center Plus
  - Lenovo SimpleTap
  - Adobe® Reader®
  - Windows Live® Essentials
  - Corel® Burn:Now™ (DVD±RW)
  - Corel DVD MovieFactory® (DVD±RW)

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

- All models
  - ThinkVantage System Update
  - Lenovo Solution Center
  - View Management Utility
  - Norton Internet Security (30 days of virus definitions)
  - Microsoft® Office preloaded; 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)
- Cable lock
- Power-on password
- Administrator password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

Sustainability
- EPEAT™ Gold rating
- ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified RoHS-compliant
- Supports ThinkVantage Technologies

Supports ThinkVantage Technologies
For compatible accessories, please go to O-M92 sheet; For Lenovo service upgrade options, please go to S-TC sheet

See footnotes for important warranty information
US models announced October 23, 2012

©Lenovo
(MHTN1-29) October 2012
ThinkCentre M92p Tower (3212)

Product Specifications Reference (PSREF)

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

**Preloaded operating system**
- Some: Genuine Windows® 7 Professional 32
- Some: Genuine Windows 7 Professional 64

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

**Preloaded applications (only some listed)**
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- Lenovo SimpleTap
- Norton® Deluxe Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Windows Live™ Essentials (include Express, Messenger, Mail, and储备)
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burner™ (DVD±RW)
- Corel DVD MovieFactory™ (DVD±RW)
- Adobe® Photoshop® Elements

**Security**
- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington MicroSaver cable)
  - Cable lock
  - Power-on password
  - Hard disk password
  - Boot sequence control
  - Boot without keyboard and mouse
  - Serial port I/O control
  - Individual USB port disablement
  - Chassis intrusion switch on selected model(s)

**EPEAT™ Gold rating**
- ENERGY STAR® 5.2-compliant
- ULE Gold
- Cisco EnergyWise compatible
- GREENGUARD® certified
- RoHS-compliant

Supports ThinkVantage Technologies
- For compatible accessories, please go to O-M92 sheet;
  - For Lenovo service upgrade options, please go to S-TC sheet;

**Limited Warranty**
- 3-years, limited onsite service.
- 5 am-5 pm, Mon - Fri coverage excluding holidays,
  - Next business day response time / service upgrades available
ThinkCentre M92p Tower (3212) - II

**Product Specifications Reference (PSREF)**

**Memory**
- 32GB max,
- Implementation: Processor in LGA1155 socket

**Audio**
- High Definition (HD) Audio, Realtek
- Rear audio ports: Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
- Front ports: Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

**Chipset**
- Intel Q77 Express Chipset
- eSATA port: None
- Onboard SATA: Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors, one SATA 3.0Gb/s connector, and one eSATA connector

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

**Machine**
- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in maximum configuration
- Toolless cover removal, toolless adapter retention
- Toolless disk, optical drive removal

**Bay**
- Bay 1: 5.25"; 1.6" high, access, std optical
- Bay 2: 5.25"; 1.6" high, access, open
- Bay 3: 3.5"; 1.0" high, access, opt reader
- Bay 4: 3.5"; 1.0" high, no access, std disk
- Bay 5: 3.5"; 1.0" high, no access, opt disk

**Slot**
- Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)
- Slot 2: half-length, full-height, PCIe 2.0 x1
- Slot 3: half-length, full-height, 32-bit PCI 2.3
- Slot 4: half-length, full-height, 32-bit PCI 2.3

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

---

**Positioning**
- Ultimate security, stability, and manageability for the enterprise

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

**Preloaded operating system**
- Some: Genuine Windows® 7 Professional 32
- Some: Genuine Windows 7 Professional 64

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

**Preloaded applications (only some listed)**
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)

**Machine**
- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in maximum configuration
- Toolless cover removal, toolless adapter retention
- Toolless disk, optical drive removal

**Bay**
- Bay 1: 5.25"; 1.6" high, access, std optical
- Bay 2: 5.25"; 1.6" high, access, open
- Bay 3: 3.5"; 1.0" high, access, opt reader
- Bay 4: 3.5"; 1.0" high, no access, std disk
- Bay 5: 3.5"; 1.0" high, no access, opt disk

**Slot**
- Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)
- Slot 2: half-length, full-height, PCIe 2.0 x1
- Slot 3: half-length, full-height, 32-bit PCI 2.3
- Slot 4: half-length, full-height, 32-bit PCI 2.3

See footnotes for important warranty information

US models announced June 5 or June 19, 2012

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(MHTN1-15) June 2012
ThinkCentre M92p Tower (3212) - III

Product Specifications Reference (PSREF)

Positioning

Processor

Type-model Processor Memory

3212-D9U 4x5 i7-3770 4x5 4GBx1 1TB 7200 Bay DVD±RW None HD 4000 None None ES52 vPro None Pro 64 07/10/12

3212-F7U 4x5 i5-3470 4GBx1 500G 7200 Bay DVD±RW None HD 7350 None None ES52 vPro None Pro 64 07/10/12

3212-F8U 4x5 i5-3570 4GBx1 1TB 7200 Bay DVD±RW None HD 2500 None None ES52 vPro None Pro 64 07/10/12

3212-M2U 4x5 i7-3770 4GBx2 1TB 7200 Bay DVD±RW Media HD 4000 Intel 2230 + BT Switch ES52 vPro None Pro 64 11/06/12

Memory

32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

Graphics

Some:
- Intel HD Graphics 2500 or Intel HD Graphics 4000 in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort®;
- supports dual independent display;
- Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz
- Some: AMD Radeon™ HD 7350, DirectX 11, 3D Hardware Acceleration,
  - 512MB, PCI Express® 2.0 x16 adapter;
  - one DVI-I (includes DVI-to-VGA dongle), one DisplayPort, 30 watts;
  - Maximum resolution: 2560x1600 (DisplayPort, DVI-I) @60Hz;
  - works along with Intel HD Graphics to support up to four independent monitors

DP dongle

None

Disk

SATA 6.0Gb/s 7200 rpm

Optical

Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive

SATA controller

Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

Onboard SATA

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

eSATA port

None

Media reader

Some: 29-in-1 media reader, internal USB 2.0

Chipset

Intel® Q77 Express Chipset

Front ports

Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports

Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort

Rear audio ports

Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

Internal connector

Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector

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

Audio

High Definition (HD) Audio, Realtek® ALC662 codec

Speaker

Internal speaker for business audio

IEEE 1394

None

Ethernet

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

Intel AMT

Intel Active Management Technology 8.0 (Intel AMT 8.0)

Modem

None

Security chip

Trusted Platform Module (TPM1.2-compliant)

Keyboard

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

Mouse

Enhanced Optical USB Mouse, black, Lenovo logo

Power supply

280 watts, autosensing, 85% PSU

Machine

- Business black color; metal case
- 6.9" W x 17.4" D x 16.3" H
- 175mm W x 442mm D x 414mm H
- 24.2 lb (11.0 kg) in maximum configuration
- Toolless cover removal, toolless adapter retention
- Toolless disk, optical drive removal

Bay

- Bay 1: 5.25", 1.6" high, access, std optical
- Bay 2: 5.25", 1.6" high, access, open
- Bay 3: 3.5", 1" high, access, opt reader
- Bay 4: 3.5", 1" high, no access, std disk
- Bay 5: 3.5", 1" high, no access, opt disk

Slot

Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)
- Slot 2: half-length, full-height, PCI Express 2.0 x1
- Slot 3: half-length, full-height, 32-bit PCI 2.3
- Slot 4: half-length, full-height, 32-bit PCI 2.3

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

Preloaded applications (only some listed)
- ThinkVantage® Product Recovery
- ThinkVantage System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- 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)

Security

- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
  - Security slot (in rear for optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disablement
- Chassis intrusion switch on selected model(s)

See footnotes for important warranty information

US models announced July 10 or November 6, 2012
ThinkCentre M92p Tower (3212) - Windows 8

Product Specifications Reference (PSREF)

Some:
- Memory 32GB max,
- Implementation Processor in LGA1155 socket
- Audio High Definition (HD) Audio, Realtek
- Internal connector Two USB 2.0 planar conn (1 used; one open for additional USB devices),
- Rear audio ports Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
- Front ports Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
- Media reader None
- eSATA port None
- Onboard SATA Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,
- SATA controller Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support
- SATA disk 6.0Gb/s

Preloaded operating system
- Windows® 8 Pro 64-bit

Preloaded applications (only some listed)
- ThinkVantage® System Update
- View Management Utility
- Lenovo® Support
- Lenovo Companion
- Lenovo Cloud Storage
- Lenovo QuickLaunch
- Lenovo Solution Center
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)
- Norton Studio
- Intel AppUp®
- AccuWeather
- PC Device Stage
- Evernote®
- Skype™
- Cyberlink Power2Go (DVD:RW)
- Cyberlink PowerProducer (DVD:RW)

Security
- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for optional)
  - Security slot (in rear for optional)
- Security Technology and Intel Active Management Technology
  - 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 ©Lenovo

(MHTN1-31) October 2012
## Product Specifications Reference (PSREF)

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### Positioning

**Processor**
- Ultimate security, stability, and manageability for the enterprise
- Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache)
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core i5-3570 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache)
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
- Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache)
- Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Graphics**
- Processor in LGA1155 socket
- Security chip Trusted Platform Module (TPM1.2-compliant)
- Modem None
- Intel AMT Intel Active Management Technology 8.0 (Intel AMT 8.0)

### Security
- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
  - Padlock loop (in rear for opt padlock)
- Security slot (in rear for optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual USB port disabling
- Chassis intrusion switch on selected model(s)

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

**Preloaded applications (only some listed)**
- ThinkVantage® Product Recovery
- ThinkVantage® System Update
- ThinkVantage Communication Utility
- ThinkVantage Power Manager
- View Management Utility
- Lenovo® AppShop
- Lenovo Solution Center
- Lenovo Message Center Plus
- Lenovo SimpleTap
- Norton® Internet Security
- Microsoft® Office preloaded; purchase a product key to activate
- Corel® Burn.Now™ (DVD±RW)
- Corel® DVD MovieFactory™ (DVD±RW)

**Toolless disk, optical drive removal**
- Toolless cover removal, toolless adapter retention

**For Lenovo service upgrade options,** please go to S-TC sheet

See footnotes for important warranty information

US models announced October 23, 2012

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(MHTN1-34) October 2012

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### Machine
- **Business black color:** metal case
- **6.9” W X 17.4” D X 16.3” H**
- **175mm W X 442mm D X 414mm H**
- **24.2 lb (11.0 kg) in maximum configuration**
- **Toolless cover removal, toolless adapter retention**
- **Toolless disk, optical drive removal**

### Bay
- **Bay 1:** 5.25”, 1.6” high, access, std optical
- **Bay 2:** 5.25”, 1.6” high, access, open
- **Bay 3:** 3.5”, 1” high, access, opt reader
- **Bay 4:** 3.5”, 1” high, no access, std disk
- **Bay 5:** 3.5”, 1” high, no access, opt disk

### Slot
- **Slot 1:** half-length, full-height, PCI Express 2.0 x16 (75x max)
- **Slot 2:** half-length, full-height, PCIe 2.0 x1
- **Slot 3:** half-length, full-height, 32-bit PCI 2.3
- **Slot 4:** half-length, full-height, 32-bit PCI 2.3

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

---

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

**Intel® Core™ i5-3570 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache)**
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Intel® Core™ i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache)**
- Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Intel® Core™ i5-3570 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache)**
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Intel® Core™ i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache)**
- Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Intel® Core™ i5-3570 Processor (4 cores / 4 threads, 3.4GHz, 6MB cache)**
- Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

**Intel® Core™ i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache)**
- Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,
- integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology
ThinkCentre M92p Tower (3212) - Windows 8 - III

Product Specifications Reference (PSREF)

<table>
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<th>Type-model</th>
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<th>Memory</th>
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- Next Generation Intel platform with latest Intel vPro™ Technology and Intel Active Management Technology
- 3-year limited warranty

Positioning
Ultimate security, stability, and manageability for the enterprise

Processor
Intel® Core™ i5-3475S Processor (4 cores / 4 threads, 2.3GHz, 6MB cache), Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 4000, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology in processor, uses main memory, DirectX® 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz

Implementation
Processor in LGA1155 socket

Memory
32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets

Graphics
Intel HD Graphics 4000 in processor, uses main memory, DirecTV™ 11, one VGA, one DisplayPort™, supports dual independent display; Maximum resolution: 2560x1600 (DisplayPort, VGA) @60Hz

DP dongle
None

Disk
SATA 6.0Gb/s 7200 rpm

Optical
Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive

SATA controller
Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support

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

eSATA port
None

Media reader
None

Chipset
Intel® Q77 Express Chipset

Front ports
Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)

Rear ports
Four USB 3.0, two USB 2.0, 9-pin, ethernet (RJ-45), VGA DB-15, DisplayPort

Rear audio ports
Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

Internal connector
Two USB 2.0 planar conn (1 used; one open for additional USB devices), one internal DisplayPort connector

Audio
High Definition (HD) Audio, Realtek® ALC662 codec

Speaker
Internal speaker for business audio

IEEE 1394
None

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

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

Modem
None

Security chip
Trusted Platform Module (TPM1.2-compliant)

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

Mouse
Enhanced Optical USB Mouse, black, Lenovo logo

Power supply
280 watts, autotuning, 85% PSU

Machine
- Business black color; metal case
- 6.9" W X 17.4" D X 16.3" H
- 175mm W X 442mm D X 414mm H
- 24.2 lb (11.0 kg) in maximum configuration
- Toolless cover removal, toolless adapter retention
- Toolless disk, optical drive removal

Bay
Bay 1: 5.25", 1.6" high, access, std optical
Bay 2: 5.25", 1.6" high, access, open
Bay 3: 3.5", 1" high, access, opt reader
Bay 4: 3.5", 1" high, no access, std disk
Bay 5: 3.5", 1" high, no access, opt disk

Slot
Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)
Slot 2: half-length, full-height, PCIe 2.0 x1
Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

Security
- Security chip (see information on left)
- One lock to secure both cover and entire system to fixed object:
- -Padlock loop (in rear for opt padlock)
- -Security slot (in rear for optional Kensington® MicroSaver® cable)
- Cable lock
- Power-on password
- Hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Serial port I/O control
- Individual 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 model announced March 12, 2013

©Lenovo
(MHTN1-36) March 2013
### ThinkCentre M92p Tower (3228) - GMP

#### Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Slot x bay</th>
<th>Processor</th>
<th>Memory</th>
<th>SATA disk GB rpm</th>
<th>2nd Disk Bay</th>
<th>SATA optical</th>
<th>Media reader</th>
<th>Graphics</th>
<th>Display-Port dongle</th>
<th>Chassis intrusion switch</th>
<th>ENERGY STAR 5.2</th>
<th>Intel Global (G)</th>
<th>Win7 preload</th>
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<tr>
<td>3228-A1U</td>
<td>4x5</td>
<td>i5-3470</td>
<td>4GBx1</td>
<td>1600MHz</td>
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<td>7200</td>
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<td>HD 4000</td>
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<td>vPro G P</td>
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<td>HD 2500</td>
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</tbody>
</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
- **Ultimate security, stability, and manageability for the enterprise**

### Processor
- **Intel® Core™ i5-3470 Processor (4 cores / 4 threads, 3.2GHz, 6MB cache),**
- **Turbo Boost 2.0 (3.6GHz), integrated Intel HD Graphics 2500,**
- **integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**
- **Intel Core i7-3770 Processor (4 cores / 8 threads, 3.4GHz, 8MB cache),**
- **Turbo Boost 2.0 (3.9GHz), integrated Intel HD Graphics 4000,**
- **integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology**

### Implementation
- **Processor in LGA1155 socket**

### Memory
- **32GB max, UDIMM, PC3-12800 1600MHz DDR3, four 240-pin DIMM sockets**

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

### DP dongle
- **None**

### Disk
- **SATA 6.0Gb/s 7200 rpm**

### Optical
- **Super Multi-Burner DL DVDs±RW SATA 1.5Gb/s Drive**

### SATa controller
- **Serial ATA, SATA 3.0Gb/s and SATA 6.0Gb/s, integrated in chipset, RAID 0/1 support**

### Onboard SATA
- **Two SATA cables (each 1-drop to device), two SATA 6.0Gb/s connectors,**
- **one SATA 3.0Gb/s connector, and one eSATA connector**
- **eSATA port**
- **None**

### Chipset
- **Intel G77 Express Chipset**

### Front ports
- **Two USB 2.0, microphone (sterro, 3.5mm), headphone (sterro, 3.5mm)**
- **Four USB 3.0, two USB 2.0, serial (9-pin), ethernet (RJ-45), VGA DB-15, DisplayPort**

### Rear audio ports
- **Line-in (sterro, 3.5mm), line-out (sterro, 3.5mm), microphone-in (sterro, 3.5mm)**

### Internal connector
- **Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports),**
- **one internal DisplayPort connector**

### Audio
- **High Definition (HD) Audio, Realtek® ALC662 codec**

### Speaker
- **Internal speaker for business audio**

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

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

### Modern
- **None**

### Security chip
- **Trusted Platform Module (TPM1.2-compliant)**

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

### Mouse
- **Enhanced Optical USB Mouse, black, Lenovo logo**

### Power supply
- **280 watts, autosensing, 85% PSU**

### Machine
- **Business black color; metal case**
- **6.9" W X 17.4" D X 16.3" H**
- **175mm W X 442mm D X 414mm H**
- **24.2 lb (11.0 kg) in maximum configuration**
- **Toolless cover removal**
- **Toolless disk, optical drive removal**
- **Toolless adapter retention**
- **Bay**
  - **Bay 1: 5.25", 1.6" high, access, std optical**
  - **Bay 2: 5.25", 1.6" high, access, open**
  - **Bay 3: 3.5", 1" high, access, opt reader**
  - **Bay 4: 3.5", 1" high, no access, std disk**
  - **Bay 5: 3.5", 1" high, no access, std disk**
- **Slot**
  - **Slot 1: half-height, full-height, PCI Express 2.0 x16 (75w max)**
  - **Slot 2: half-height, full-height, PCI Express 2.0 x1**
  - **Slot 3: half-height, full-height, 32-bit PCI 2.3**
  - **Slot 4: half-height, full-height, 32-bit PCI 2.3**

### 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 or Juen 19, 2012

©Lenovo (MHTN1-16) June 2012
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Implementation
Processor in LGA1155 socket

Memory
32GB max, integrated 1600MHz dual-channel DDR3 memory controller, Virtualization Technology

Graphics
Intel HD Graphics 2500 in processor, uses main memory, DirectX 11,

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

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

IEEE 1394
None

Speaker
Internal speaker for business audio

Audio
High Definition (HD) Audio, Realtek® ALC662 codec

Rear audio ports
Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)

Internal connector
Two USB 2.0 planar conn (1 used; one open for media reader or 2 rear USB ports), one internal DisplayPort connector

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Intel AMT
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Modem
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Security chip
Trusted Platform Module (TPM1.2-compliant)

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

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Slot 1: half-length, full-height, PCI Express 2.0 x16 (75w max)
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Slot 3: half-length, full-height, 32-bit PCI 2.3
Slot 4: half-length, full-height, 32-bit PCI 2.3

Security
Security chip (see information on left)

One lock to secure both cover and entire system to fixed object:

Packet loop (in rear for optional padlock)

Security slot (in rear for optional Kensington® MicroSaver® cable)

Cable lock

Power-on password

Hard disk password

Boot sequence control

Boot without keyboard and mouse

Serial port I/O control

Individual USB port disablement

Chassis intrusion switch on selected model(s)

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® AppShop
  ● Lenovo Message Center Plus
  ● Lenovo SimpleTap
  ● Adobe® Reader®
  ● Windows Live™ Essentials
  ● Corel® Burn.Now™ (DVD±RW)
  ● Corel DVD MovieFactory® (DVD±RW)

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

- All models
  ● ThinkVantage System Update
  ● Lenovo Solution Center
  ● View Management Utility
  ● Norton Internet Security
  ● (30 days of virus definitions)
  ● Microsoft® Office preloaded; purchase a product key to activate
  ● Skype™

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

©Lenovo (MHTN1-32) October 2012
ThinkCentre M92, M92p Accessories

Product Specifications Reference (PSREF)

Memory
Tiny 3234/3243/3238/3237 use notebook 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

Small 3207/2988/3209/3227, and Tower 3208/2992/3212/3228 use desktop memory:
- 2GB PC3-12800 DDR3 UDIMM 0A65728 ann 06/05/12
- 4GB PC3-12800 DDR3 UDIMM 0A65729 ann 06/05/12
- 8GB PC3-12800 DDR3 UDIMM 0A65730 ann 06/05/12

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

Optical
Small and Tower support:
- DVD-ROM DL SATA 1.5Gb/s 16X-48X Max4 41N5618 ann 09/26/06
- Lenovo® Super Multi-Burner SATA Drive 0A65618 ann 08/23/11

Storage and removable storage
Small and Tower support:
- 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
- 180GB Solid State Drive 0B47308 ann 01/29/13

All:
- 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 05/28/12
- Slim USB Portable DVD Burner 0A33988 ann 06/14/11

Graphics
Small 3207/2988/3209/3237 support Low Profile:
- NVIDIA NVS 510 2GB Graphics Card by Lenovo 67 0B47077 ann 01/29/13

Tower 3208/2992/3212/3228 support:
- NVIDIA NVS 510 2GB Graphics Card by Lenovo 67 0B47077 ann 01/29/13

67 Simultaneously use the graphic card monitor ports along with the systems integrated monitor ports when Multi-Monitor Support is enabled in BIOS Setup.

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

Keyboard
Preferred Pro USB Keyboard 73P5220 ann 06/21/05
Enhanced Performance USB Keyboard 73P2620 ann 03/23/04
Ultra Slim Plus Wireless Keyboard and Mouse 50 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

50 Wireless via 2.4GHz technology using a micro-size USB receiver.

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) 41J3074 ann 01/23/07
Lenovo Wireless Laser Mouse 52 0A36188 ann 02/10/11
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

Multimedia
ThinkPad In-Ear Headphones with mic 50 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) 57Y6665 ann 02/08/11

69 Has a 1.2 meter (3.9-foot) cable. Best when systems are in close proximity. Example: SFF placed on a desk.

Security
Kensington® MicroSaver® Cable Lock 56 73P2582 ann 12/29/03
Kensington Twin Head Cable Lock 56 45K1620 ann 09/30/08
Lenovo Security Cable Lock 56 57Y4303 ann 08/24/10
USB Gemplus GemPC Smart Card Reader 41N3040 ann 02/21/06

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

Under Desk Mount
Tiny support:
ThinkCentre Tiny Under Desk Mount Bracket 0B47097 ann 08/07/12

Monitors
- Lenovo ThinkVision LT1952p Wide 19” (VGA, DP, DVI-D) 50 2448MB6 ann 09/13/11
- ThinkVision L2251x Wide 22” (VGA, DP) 2578B6 ann 10/20/09
- ThinkVision LT2323p Wide 23” (VGA, DP, DVI-D) 50 DisplayPort cable is not included; use optional DisplayPort to DisplayPort Monitor Cable (0A36537).

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

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 Dual-DisplayPort Monitor Cable 0B47092 ann 06/05/12
- DisplayPort to VGA Monitor Cable 57Y4393 ann 08/04/09
- DisplayPort to DisplayPort Monitor Cable 0A36537 ann 09/13/11
- Lenovo USB Soundbar 0A36190 ann 05/11/12
- Kensington MicroSaver Cable Lock 56 73P2582 ann 12/29/03
- Kensington Twin Head Cable Lock 56 45K1620 ann 09/30/08
- Lenovo Security Cable Lock 56 57Y4303 ann 08/24/10

50 Compatible on selected Lenovo and ThinkVision monitors.

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

For more information on accessories:
www.lenovo.com/accessories
Purchase Lenovo accessories
www.lenovo.com/support/accessories
Product specifications on Lenovo Support
www.lenovo.com/accessoriesguide
Option Compatibility Matrix (OCM) and accessory brochures
www.lenovoquickpick.com
An Options Compatibility Configurator for Lenovo systems

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