



## Lenovo ThinkCentre

### Product Details

**ThinkCentre A 57  
Tower  
Model SDJ7Bxx**



#### At a glance ...

<b>Processor</b>	Intel® Pentium® Dual Core E2200 2.20GHz	<b>Network Interface</b>	Gigabit Ethernet- Integrated
<b>Installed OS</b>	Genuine Windows XP Professional	<b>Slots and bays (total/available)</b>	4(4) x 5(4)
<b>Memory (std/max)</b>	1GB/4GB	<b>Disk capacity<sup>1</sup></b>	160GB (Serial ATA)
<b>Form factor</b>	Tower	<b>Audio</b>	ALC662
<b>Configuration type</b>	Tower, PCI/PCI Express	<b>Graphics subsystem</b>	Intel Graphics Media Accelerator 3100, and PCI Express
<b>Media Device<sup>8</sup></b>	DVD Recordable:40X Max;	<b>Fax/modem speed</b>	--
<b>Unique System Features</b>	Rescue and Recovery		

The ThinkCentre A Series with up to Intel®Core 2 Duo processors (selected models) deliver enhanced performance and system responsiveness, offering great technology at affordable prices.

### Features & Benefits

- Intel® Pentium® 4 processors with Hyper-Threading Technology deliver enhanced performance (selected models)
- Genuine Windows Vista available on selected models
- Fingerprint Reader Keyboard (selected models)
- Enhanced multimedia features including upgradable graphics (select models) and a range of optional optical drives
- Pre-loaded Rescue and Recovery™ for easy data back-up and recovery
- Easy migration of personal settings with Systems Migration Assistant (downloadable)
- Range of optional ThinkVision monitors, including power-saving flat panel

### General Information

#### Price

Note<sup>7</sup>

### Administrative Information

Part number	Description
<b>SDJ7Bxx</b>	<b>A Series 2.20G 1 1/160</b>
Product category:	<b>Desktops</b>
Product family:	<b>Lenovo ThinkCentre</b>
Product series:	<b>ThinkCentre A Series</b>
UPC Code:	

Model name:	<b>ThinkCentre A 57 Tower</b>
Worldwide part number:	<b>98517BG</b>
Retail SKU #:	
Global model:	<b>No</b>
Workhorse model:	<b>No</b>
Type / Model:	<b>9851-7BG</b>
Standard pack quantity:	
Announce status:	<b>Announced</b>
Availability status:	<b>TopSeller</b>
Announce date:	<b>3 Mar 08</b>
General availability date:	<b>3 Mar 08</b>
IBM announcement number:	<b>ZL08-0007</b>
Announcement of withdrawal date:	
Withdrawal date:	
Withdrawal announcement number:	
Final returns date:	
Final returns request date:	
Returns announcement number:	
Alternative models:	
Most recent change date:	
Reason for change:	
Countries of origin:	
Ship group:	<ul style="list-style-type: none"> <li>- Line cord (System) Per Country</li> <li>- System Publications Per Language</li> <li>- Keyboard Per Language</li> <li>- Mouse</li> <li>- Publications Package Per Language</li> <li>- Operating System</li> </ul>
Special model designation:	<b>TopSeller</b>

## Warranty

Limited Warranty period and type<sup>3</sup>: **Three year parts and labour Carry-in**

## Technical Information

### Architecture

Form factor:	<b>Tower</b>
Orientations allowed:	<b>Vertical</b>
Bus type/architecture:	<b>PCI/PCI Express</b>
Slots x bays total (free):	<b>4(4) x 5(4)</b>
Expansion bus type:	<b>PCI/PCI Express</b>

### Processor

Processor (CPU) <sup>2</sup> :	<b>Intel® Pentium® Dual Core E 2200</b>
Processor internal clock speed <sup>2</sup> :	<b>2.20GHz</b>
Front side bus:	<b>800MHz</b>
Number of processors std/max:	<b>1/</b>
Processor manufacturer:	<b>Intel</b>
SMP capable (multiple processors):	
Multi-processor bus (slots/speed):	<b>--</b>
L2 external CPU cache std/max:	<b>-- /</b>
Upgradable processor:	
BIOS type:	<b>Flash ROM</b>
Core Chipset:	<b>Intel G31</b>

### Memory

Memory (RAM) std/max:	<b>1GB / 4GB</b>
RAM speed:	<b>667MHz</b>

Optional RAM configuration: **512:1024:2048 MB DIMMs**  
RAM type: **PC2-5300 DDR2 SDRAM**  
RAM slots total (available): **2 DIMM (1 DIMM)**

## Hard disk

Additional storage features:

Hard disk controller: **Serial ATA**  
Hard disk size<sup>1</sup>: **160GB**  
Hard disk type: **Serial ATA**  
Average seek time: **9ms**  
Average latency: **4,7ms**  
Number of platters: **1**  
Platter RPM: **7200**  
Burst transfer rate: **100MBps**  
Sustained data trans rate (low; high): **23MBps; 42MBps**

## Multimedia

Media speed<sup>8</sup>: **40X Max**  
Media interface type: **SATA**  
Media data transfer rate: **10,8MBps**  
Media average access time: **125ms**  
Media transport type: **Front tray loading**  
Recordable: **Yes**  
Removable: **No**

## Graphics Subsystem

Graphics chipset: **Intel Graphics Media Accelerator 3100**  
Graphics type: **--**  
Graphics data width: **128**  
Video RAM std/max: **-- / --**  
Video RAM type: **DVMT**  
Max resolution (with std video RAM) NI: **2048x1536 16777216 colors**  
Max resolution (with max video RAM) NI: **2048x1536 16777216 colors**  
Max colors (with std video RAM): **16777216**  
Max colors (with max video RAM): **16777216**  
Graphics bus interface: **PCI Express**  
Graphics features: **DirectX 9.0c Shader Model 2.0 Graphics Processing Unit ; Dual independent display option; Dynamic Display Detect ; Open GL 1.4 support**

## Audio

Audio chipset make & model: **ALC662**  
Audio data width: **--**  
External speakers: **--**  
Speaker power rating: **--**

## Communications

Fax/modem: **--**  
Fax/modem speeds: **--**

Network card: **Integrated Gigabit Ethernet**  
Network interface: **Gigabit Ethernet - Integrated**  
Network speed: **10Mbps, 100Mbps, 1000Mbps**  
Network features:

## Standard features

Pointing device type:	<b>USB Optical Wheel Mouse</b>
Standard diskette size:	--
Optional diskette size:	--
Keyboard type standard:	<b>Preferred Pro USB Keyboard</b>
Product approvals/certifications <sup>4</sup> :	
Colour:	<b>Business black</b>

## Power management

### Note<sup>5</sup>

Power supply:	<b>280W</b>
Power supply type:	<b>110-220 volt (50/60Hz)</b>
Power consumption:	<b>280W</b>
Heat emissions:	<b>280W</b>
Sound emissions:	<b>4Bels</b>
Power management features <sup>4</sup> :	<b>ACPI compliant Standby Mode</b>

## Expansion options

Slots total (free) and type:	<b>1(1) PCI Express 16X Full height, 2(2) PCI Full height, 1(1) PCI Express 1X Full height</b>
<b>3.5" bays</b>	
- accessible (free) and height:	<b>1(1) SL</b>
- not accessible (free) and height:	<b>2(1) SL</b>
<b>5.25" bays</b>	
- accessible (free) and height:	<b>2(1) HH</b>
- not accessible (free) and height:	
Plug and play support:	<b>Yes</b>
Standard Interfaces:	<b>1 Parallel</b>
Ports (type):	<b>1</b>
Expansion ports:	<b>Mouse (PS/2), External Microphone / Line in (front), Headphone / Line out (back), Headphone / Line out (front), Keyboard (PS/2), External Display (VGA), External Microphone / Line in (back), RJ-45, 2 Internal High Speed USB 2.0, 6 USB 2.0 (2 front, 4 back)</b>

## Weight & dimensions

### Note<sup>6</sup>

Weight:	<b>11Kg</b>
Travel weight:	--
Height:	<b>402mm</b>
Width:	<b>175mm</b>
Depth:	<b>440mm</b>
Operating Temperature (C) (low; high):	<b>10; 35</b>
Relative Humidity (%) (low; high):	<b>10; 80</b>

## Software

Tested operating systems:	<b>Windows Vista Ultimate 64-Bit, Windows Vista Home Premium 64, Windows Vista Ultimate, Windows Vista Home Premium, Windows Vista Home Basic, Windows Vista Business 64, Windows Vista Business, MS-DOS, Microsoft Windows XP Home Edition, Microsoft Windows XP Professional, Microsoft Windows XP</b>
Operating system provided:	<b>Genuine Windows XP Professional</b>

Communication/networking applications:<sup>9</sup>  
 Device drivers/utilities:<sup>9</sup>  
 Multimedia applications:<sup>9</sup>  
 Productivity applications:<sup>9</sup>  
 Other applications provided:<sup>9</sup>  
 Preloaded applications: **Yes**

## Security

Universal management features: **ThinkVantage Rescue and Recovery  
 System Migration Assistant  
 Software Delivery Assistant  
 ImageUltra enabled  
 IBM Director Agents**

Security features: **Remote Deployment Manager  
 Power on password  
 Security slot (for attachment of optional cable lock )  
 Serial port I/O control  
 Boot sequence control  
 Boot without keyboard or mouse  
 Configuration password  
 Diskette Boot inhibit  
 Diskette I/O control  
 Hardfile I/O control**

VPD support: **Parallel port I/O control  
 System serial number , Machine type and model**

## Selected Accessories and Upgrades

**\*Please see footnotes under Product Specific Notices for further information**

Description	Part Number
<b>Accessories and Upgrades (A Lenovo Product) <i>See footnotes for limitations</i></b>	
<b>Monitors &amp; Monitor Accessories</b>	
<b>Flat Panel Monitors</b>	
<b>17"</b>	
Lenovo L 171p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-03 Business Black Monitor	T17HExx
Lenovo L 171p 17.0in Hybrid TFT LCD (17.0in/432mm VIS) TCO-03 Business Black Monitor	T17HPxx
Lenovo L 171 17.0in Analog TFT LCD (17.0in/432mm VIS) TCO-99 Business Black Monitor	T27ACxx
Lenovo L 171 17.0in Analog TFT LCD (17.0in/432mm VIS) TCO-99 Business Black Monitor	T27ANxx
<b>Monitor Speakers</b>	
ThinkVision USB Soundbar <sup>10</sup>	40Y7616
<b>Monitor Stands &amp; Arms</b>	
ThinkVision TFT Radial Arm <sup>11</sup>	19K4464
<b>Accessories <i>See footnotes for limitations</i></b>	
<b>Keyboard &amp; Mouse Combo</b>	
USB Travel Keyboard with UltraNav	31P9XXX
Business Black Enhanced Performance Wireless Keyboard and Optical Mouse	73P4XXX
<b>Keyboards</b>	
Pearl White Preferred Pro Full -size PS/2 Keyboard	31P74yy
<b>Audio &amp; Video <i>See footnotes for limitations</i></b>	
<b>Graphics Cards</b>	

128MB ATI Radeon HD 2400 Pro Dual-VGA/DVI, TV-out Graphics Adapter (Full Height/Low Profile)	43R1961
256MB ATI Radeon HD 2400XT Dual-VGA/DVI, TV-out Graphics Adapter (Full Height/Low Profile)	43R1962
512MB ATI Radeon HD 2600XT Dual-VGA/DVI, TV-out Graphics Adapter (Full Height)	43R1963
Lenovo ADD2 DVI-D Monitor Connection Adapter (HDCP)	43R1985
DVI-I PCI-e Video Connection Adapter	73P2516
<b>Keyboards &amp; Mice</b> <i>See footnotes for limitations</i>	
<b>Keyboard &amp; Mouse Combo</b>	
USB Keyboard with UltraNav	31P89XX
<b>Keyboards</b>	
Business Black Preferred Pro Full -size PS/2 Keyboard	31P74xx
USB Enhanced Performance Keyboard (Black) - French	73P2629
Business Black Enhanced Performance USB Keyboard	73P26xx
ThinkPlus Preferred Pro USB Keyboard (Business Black) - Chinese/US	73P5225
Business Black Preferred Pro USB Keyboard	73P52XX
<b>Mice</b>	
USB Optical Wheel Mouse	06P4069
Optical 3-Button ScrollPoint Mouse (800dpi) PS/2 & USB	31P7405
Optical 3-Button Travel Wheel Mouse (800dpi) PS/2 & USB	31P7410
Lenovo Laser Mouse	41U3074
<b>Numeric Keypads</b>	
USB 17-Key Business Black Numeric Keypad	33L3225
<b>Security Keyboards</b>	
Business Black Preferred Pro USB Fingerprint Keyboard	73P47XX
<b>Memory</b> <i>See footnotes for limitations</i>	
<b>Desktop Memory</b>	
ThinkCentre & Lenovo 3000	
2GB PC2-6400 800MHz DDR2 SDRAM UDIMM Memory <sup>12</sup>	41U2978
512MB PC2-5300 667MHz DDR2 SDRAM UDIMM Memory	73P4983
1GB PC2-5300 667MHz DDR2 SDRAM UDIMM Memory	73P4984
2GB PC2-5300 667MHz DDR2 SDRAM UDIMM Memory	73P4985
<b>Monitors &amp; Monitor Accessories</b> <i>See footnotes for limitations</i>	
<b>Flat Panel Monitors</b>	
<b>19"</b>	
Lenovo L 193P 19.0in TFT LCD (19.0in/483mm VIS) TCO 03 Business Black Monitor	T31HBxx
Lenovo L 193P 19.0in TFT LCD (19.0in/483mm VIS) TCO 03 Business Black Monitor	T31HNxx
Lenovo L 190x 19.0in TFT LCD (19.0in VIS) TCO 03 Business Black Monitor	T39HBxx
Lenovo L 190x 19.0in TFT LCD (19.0in VIS) TCO 03 Business Black Monitor	T39HNxx
Lenovo L 194W 19.0in LCD (19.0in/481mm VIS) TCO 03 Widescreen Essential Business Black Monitor	T43HBxx
Lenovo L 194W 19.0in LCD (19.0in/481mm VIS) TCO 03 Widescreen Essential Business Black Monitor	T43HNxx
<b>20-33"</b>	
Lenovo L 220x Wide 22.0in TFT LCD (22.0in/569mm VIS) TCO 03 Business Black Monitor	T33HBxx
Lenovo L 220x Wide 22.0in TFT LCD (22.0in/569mm VIS) TCO 03 Business Black Monitor	T33HNxx
<b>Projectors</b> <i>See footnotes for limitations</i>	
<b>Projector Lamps</b>	
Lamp for Lenovo M 500 (0037A05) Projector <sup>13</sup>	40Y7872
Lamp for Lenovo C 500 (0039A05) Projector <sup>14</sup>	41U3045

Lamp for E 400 (0038A04) Projector <sup>15</sup>	73P2775
Lamp for M 400 (0037A04) Projector <sup>16</sup>	73P2790
Lamp for C 400 (0039A04) Projector <sup>17</sup>	73P3191
Lamp for E 500 (0038A05) Projector <sup>18</sup>	73P4954
<b>Security</b> <i>See footnotes for limitations</i>	
<b>Fingerprint Readers</b>	
Lenovo USB Fingerprint Reader <sup>19</sup>	41U3167
<b>Physical Security</b>	
Kensington MicroSaver 64068E Security Cable Lock from Lenovo	73P2582
<b>Smart Card Security</b>	
Gemplus GemPC USB Smart Card Reader from Lenovo	41N3040
<b>Storage</b> <i>See footnotes for limitations</i>	
<b>Hard Drives</b>	
<b>Desktops</b>	
ThinkCentre 80GB Serial ATA Hard Disk Drive	09N4253
ThinkCentre 160GB Serial ATA Hard Disk Drive	09N4254
ThinkCentre 250GB Serial ATA Hard Disk Drive	41N3015
Lenovo 500GB 7200 rpm Serial ATA Hard Drive	43R1990
<b>External</b>	
Lenovo USB 2.0 Portable 80GB Hard Drive	41N8378
Lenovo USB 2.0 Portable 120GB Hard Drive	41N8379
<b>Memory Keys &amp; Microdrives</b>	
Lenovo USB 2.0 Essential Memory Key - 1GB	41U4940
Lenovo USB 2.0 Essential Memory Key - 2GB	41U4944
Lenovo USB 2.0 Security Memory Key - 1GB	41U5118
Lenovo USB 2.0 Security Memory Key - 2GB	41U5119
Lenovo USB 2.0 Security Memory Key - 4GB	41U5120
<b>Optical Drives</b>	
<b>Desktops</b>	
ThinkCentre and Lenovo Serial ATA DVD -ROM Drive	41N5618
ThinkCentre and Lenovo Serial ATA CD -RW/DVD-ROM Combo Drive	41N5619
ThinkCentre and Lenovo Serial ATA Super Multi -Burner Drive	41N5620
<b>External</b>	
ThinkPlus USB 2.0 CD-RW/DVD-ROM Combo II Drive	40Y86XX
Lenovo USB 2.0 Super Multi-Burner Drive with LightScribe	41N55xx
<b>Removable Disk Drives</b>	
USB Portable Diskette Drive	05K9276
<b>Printers &amp; Printer Supplies</b> <i>See footnotes for limitations</i>	
Canon PIXMA MP 530 - Office All-In-One Printer	30R7231

## Product Specific and Legal Notices

### Product Specific Notices

#### Numbered Footnotes

- Hard Drive:** GB=billion bytes. Accessible capacity is less; up to 4 GB is service partition.
- Mobile Processors:** Power management reduces processor speed when in battery mode.
- Warranty Information:** For terms and conditions or copies of Lenovo's limited warranty, call 08705 500900 in the U.K. Limited warranty includes International Warranty Service in those countries where this statement of product is sold by Lenovo or Lenovo Business Partners (registration required).
- Energy Star:** As an Energy Star Partner, Lenovo has determined that this product meets the Energy Star guidelines for energy efficiency.

5. **Battery:** These model numbers achieved the Ziff Davis Media, Inc.'s Business Winstone® 2002 BatteryMark Version 1.0, Battery Rundown Time of at least the time shown. This test was performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. ("VeriTest") or Ziff Davis Media, Inc.; neither Ziff Davis Media, Inc. nor VeriTest makes any representations or warranties as to these test results. Winstone is a registered trademark and BatteryMark is a trademark of Ziff Davis Publishing Holdings, Inc. in the U.S. and other countries. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences.

6. **Thinness:** may vary at certain points on the system.

7. Unless otherwise indicated, prices shown are estimated reseller prices to end users. Reseller prices may vary. Lenovo reserves the right to change prices and product specifications and to discontinue marketing products without notice.

8. **CD/DVD drive speeds:** list maximum rates; rates are variable and are often less than the maximum.

(Tape Drives) Data compression may be software dependent.

9. Actual applications included dependent upon country.

#### Generic Footnotes

##### ADSL Modems:

**Actual modem speeds:** depend on many factors, including the plan you sign up for with your ADSL provider, and are often less than the maximum possible.

##### New 56K v.92 Modem Standard:

**Modem speeds:** Public network download speeds are limited to 53 Kbps. Upload speeds are limited to 48 Kbps for v.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Requires download of v.92 microcode, when available, and country approval. Check with your telephone and ISP service providers for availability.

**Included Software:** may differ from its retail version (if available) and may not include user manuals or all program functionality. License agreements may apply. Operating systems that are not preloaded on the system may not provide full-feature functionality. Please refer to [lenovo.com/think/pc/support](http://lenovo.com/think/pc/support), select notebook brand, click on "Product Information", choose your machine type, then click on "Product Limitations"

**Titanium composite:** As tested using the high-flex modulus test. **Travel Weight:** includes battery and optional travel bezel instead of standard optical drive in Ultrabay bay, if applicable; weight may vary due to vendor components, manufacturing process and options. **Maximum memory and internal hard disk capacities:** may require the replacement of standard component with largest supported component available. Norton AntiVirus comes with 90 days of virus definition updates.

10. Compatible with L151, L151p, L171, L171p, L172, L174, L190x, L191, L192p, L193p, L194 wide, L197 wide, L201p, L200pw and L220x wide model Flat Panel Monitors.

11. Can be used to mount a Flat Panel Monitor such as the T54, T55, T56, T74, T85, T86.

12. PC2-6400 and PC2-5300 memory can co-exist on the same system but will operate at the PC2-5300 speed.

13. To be used in the M500 Projector.

14. To be used in the C500 Projector.

15. To be used in the E400 Projector

16. To be used in the M400 Projector.

17. To be used in the C400 Projector.

18. To be used in the E500 Projector.

19. Requires Windows XP or Windows 2000 w/SP4. It also requires ESS and Trusted Platform Module Co-proc.

Power-On-Password is not supported.

## Legal Notices

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