

# lenovo **FOR** **THOSE** **WHO DO.**

**\$100 Solid State Upgrade**



## SSD UPGRADE ON LENOVO THINKPAD T420s, T420 & T520 LAPTOPS

### Get A Performance Upgrade!

ThinkPad T Series notebooks offer the best combination of mobility, manageability and security. Starting at \$100 more, upgrade to a notebook installed with a Solid State Drive over a hard disk drive to increase your performance capabilities.

ThinkPad T420 4177A28 Eng 4177A29 Fr	ThinkPad T420 4178A51 Eng 4178A52 Fr	ThinkPad T420 4178A54 Eng 4178A55 Fr	ThinkPad T420 4178A57 Eng 4178A58 Fr	ThinkPad T420s 417153U/F	ThinkPad T420s 41717FU/F	ThinkPad T520 4240A18 Eng 4240A19 Fr
<ul style="list-style-type: none"> <li>14" HD (1366 x 768)</li> <li>Intel Core i5-2520M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Camera, BT</li> <li>DVDRW</li> <li>6-cell battery</li> <li>1 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>14" HD (1366 x 768)</li> <li>Intel Core i5-2520M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Camera, BT</li> <li>DVDRW</li> <li>6-cell battery</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>14" HD+ (1600x900)</li> <li>Intel Core i5-2520M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Optimus 1GB</li> <li>Camera, BT</li> <li>DVDRW</li> <li>6-cell battery</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>14" HD+ (1600x900)</li> <li>Intel Core i7-2640M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Optimus 1GB</li> <li>Camera, BT</li> <li>DVDRW</li> <li>6-cell battery</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>14" HD+ (1600x900)</li> <li>Intel Core i5-2540M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>128GB Solid State</b></li> <li>Camera, BT</li> <li>DVDRW</li> <li>6-cell battery</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>14" HD+ (1600x900)</li> <li>Intel Core i7-2640M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>NVIDIA 1GB</li> <li>Camera, BT</li> <li>DVDRW</li> <li>6-cell battery</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>15" HD (1366x768)</li> <li>Intel Core i5-2520M</li> <li>Win7 Pro 64</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Camera, BT, FPR</li> <li>DVDRW</li> <li>6-cell battery</li> <li>3 yr depot warranty</li> </ul>
<b>\$1,069</b>	<b>\$1,219</b>	<b>\$1,369</b>	<b>\$1,449</b>	<b>\$1,549</b>	<b>\$1,749</b>	<b>\$1,219</b>
<i>\$100 SSD upgrade from p/n 4177Q5U/F</i>	<i>\$100 SSD upgrade from p/n 41786UU/F</i>	<i>\$100 SSD upgrade from p/n 41786VU/F</i>	<i>\$100 SSD upgrade from p/n 4178C9U/F</i>	<i>\$150 SSD upgrade from p/n 417152U/F</i>	<i>\$200 SSD upgrade from p/n 417152U/F</i>	<i>\$100 SSD upgrade from p/n 42404AU/F</i>

### FIND YOUR COMPLETE SOLUTION!



**\$229.99**

**433810U**  
ThinkPad Mini Dock Plus  
VGA Port, 2 DVI-D Ports  
2 Display Ports  
6 USB Ports, Ethernet  
90W AC Adapter



**\$99.99**

**41R4493**  
Lenovo 90W UltraSlim  
AC/DC Combo Adapter  
Power your system at  
home and in the car



**\$49.00**

**43R2476**  
ThinkPad Business  
Topload Case  
(for systems up to 15.6"  
wide)



**\$119.00**

**57Y4536**  
ThinkPad  
Battery 42 for T-Series  
Ultrabay – Replace your  
optical drive with an  
auxiliary battery

### CONTACT YOUR DISTRIBUTOR TO ORDER.

**Availability:** All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors. **Pricing:** Does not include tax, shipping and handling or any recycling fees and is subject to change without notice. Reseller prices may vary.



**\$100 Solid State Upgrade**

**SSD UPGRADE ON LENOVO THINKPAD X220 & X220t LAPTOPS**

**Get A Performance Upgrade!**

Engineered for the mobile professional, the X220 and X220t are fast, slim and light so they go wherever you need them. Starting at \$100 more, upgrade to a notebook installed with a Solid State Drive over a hard disk drive to increase your performance capabilities.

ThinkPad X220 428743U Eng 428743F Fr	ThinkPad X220 4287A81 Eng 4287A79 Fr	ThinkPad X220 428742U Eng 428742F Fr	ThinkPad X220t 4296A18 Eng 4296A17 Fr	ThinkPad X220t 4296A21 Eng 4296A19 Fr
<ul style="list-style-type: none"> <li>12.5" HD (1366x768)</li> <li>Intel Core i5-2430M</li> <li>4GB DDR3</li> <li><b>128GB Solid State</b></li> <li>Camera, BT, FPR</li> <li>6-cell battery</li> <li>Win7 Pro 64</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>12.5" HD (1366x768)</li> <li>Intel Core i5-2520M</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Camera, BT, FPR</li> <li>Base+ DVDRW</li> <li>6-cell battery</li> <li>Win7 Pro 64</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>12.5" HD (1366x768)</li> <li>Intel Core i7-2620M</li> <li>4GB DDR3</li> <li><b>128GB Solid State</b></li> <li>Camera, BT, FPR</li> <li>Base+ DVDRW</li> <li>6-cell battery</li> <li>Win7 Pro 64</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>12.5" HD (1366x768)</li> <li>Convertible Tablet</li> <li>Intel Core i5-2520M</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Camera, BT, FPR</li> <li>6-cell battery</li> <li>Win7 Pro 64</li> <li>3 yr depot warranty</li> </ul>	<ul style="list-style-type: none"> <li>12.5" HD (1366x768)</li> <li>Convertible Tablet</li> <li>Intel Core i7-2640M</li> <li>4GB DDR3</li> <li><b>160GB Solid State</b></li> <li>Camera, BT, FPR</li> <li>6-cell battery</li> <li>Win7 Pro 64</li> <li>3 yr depot warranty</li> </ul>
<b>\$1,279</b>	<b>\$1,629</b>	<b>\$1,779</b>	<b>\$1,579</b>	<b>\$1,749</b>
<i>\$100 SSD upgrade from p/n 42875TU/F</i>	<i>\$100 SSD upgrade from p/n 42872WU/F</i>	<i>\$150 SSD upgrade from p/n 42872WU/F</i>	<i>\$100 SSD upgrade from p/n 42962WU/F</i>	<i>\$100 SSD upgrade from p/n 42963LU/F</i>



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VGA Port ,2 DVI-D Ports  
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## WHY SOLID STATE DRIVES?

### Reliability & Durability

- No moving parts to break
- Greater shock resistance
- Reduced IT cost
- Less heat generation

### Less Power

- Longer battery life

### Performance

- Faster Application response time
- Faster Boot/Shutdown times
- Faster image deployment
- Faster data wipe (security)



### Hard Disk Drives vs. Solid-State Drives

HARD DISK DRIVES	SOLID STATE DRIVES
More fragile due to rotating platters and mechanical arms.	More rugged because there are no moving parts.
Reduced battery life due to high energy consumption.	Longer battery life and cooler machines due to reduced energy consumption.
Decreased performance as file fragmentation increases.	Consistent performance because fragmentation is not an issue.
Greater risk of data loss and hard disk failure when transported.	More resistant to the bumps and drops expected from mobile users.
Slower responsiveness and performance due to drive spin-up time and mechanical arm movement.	Faster responsiveness and performance due to no drive spin-up time, no mechanical movement and minimal latency.

\*Source: Intel "Improving the Mobile Experience with Solid-State Drives" White Paper