



Lenovo® recommends Windows® 7 Professional.

THINKPAD  
T420/T520 NOTEBOOKS



## THE NEW LENOVO® THINKPAD® T420 AND T520 NOTEBOOKS

WITH ENHANCED FEATURES FOR BETTER, ROUND-THE-CLOCK PERFORMANCE

The ThinkPad T420 and T520 notebooks offer the best combination of thin and light mobility and top performance features a business class user would require. Top performing features include Second Generation Intel® Core™ processors offering 20% increase in performance and Intel® HD Graphics with 2x performance over previous generation.

Lenovo also focused on supporting faster boot times by adding a new generation accelerated bios, system driver maximization and a Genuine Windows® 7 Operating System. Combined these features with Solid State Drive Technology and you simply get the best performance experience anyone could ask for. Lenovo also offers new features like

an exceptional HD video conferencing experience with a new HD 720p Camera, latest HD LCD format and HD full duplex microphones. VOIP microphone technology includes both private and conference chat modes with keyboard noise suppression technology.

Lenovo Instant Resume mode will continuously maintain wireless connectivity while putting the notebook to sleep or even closing the lid if configured – Now you can move office to office or building to building arriving at meetings already connected! The ThinkPad T series constantly redefines the notebook business standard with no compromises!

### TOP REASONS TO OWN

- The perfect balance of mobility, manageability and security
- Milspec tested for proven superior durability
- Thinkpad best choice enterprise notebooks
- Superior performance features like Lenovo RapidDrive Technology
- Increased battery life. Over 24 hours with bottom slice battery pack

### LENOVO ENHANCED EXPERIENCE 2.0 FOR WINDOWS® 7. FASTER AND OPTIMIZED FOR BUSINESS.

Lenovo Enhanced Experience 2.0 for Windows® 7 uses RapidBoot technology to start your PC on average 20 seconds faster than a typical Windows® 7 computer\*. And with superior web conferencing and robust security features, you'll benefit from increased productivity at the office. Find out more at [www.lenovo.com/win7ee](http://www.lenovo.com/win7ee)

\*Compares averaged data from Lenovo EE 2.0 PCs with averaged data from 42 competitor products of similar configuration. Testing conducted by CNET Labs, Beijing in November 2010, using the independent Microsoft VTS tool to measure start-up, shutdown, resume and other Windows® 7 performance measurements. Data from competitor and Lenovo PCs were averaged and compared to calculate the claims used. Performance will vary by model and configuration.



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### TOP PERFORMANCE

The ThinkPad® T420 and T520 offer top features for extreme performance:

- 2<sup>nd</sup> Generation Intel® Core™ processors with Turbo Boost 2.0 Technology
- Top Graphic Performance with Intel® HD Integrated or NVIDIA® Discrete Graphics
- 15% better 3G performance with better design

### OUTSTANDING VOIP AND MULTIMEDIA EXPERIENCE

The ThinkPad T series notebooks are equipped with features optimized for communication:

- Short cut Fn+F6 multimedia shortcut key to help you adjust communication settings quickly
- Advanced Noise Suppression microphone technology cancels keyboard clicks during calls
- New conference call or private chat modes easily managed with Lenovo communications software

### THINKPLUS® SUPPORT

Lenovo's award winning Warranty Service and Support optimize productivity and end-user satisfaction by helping you concentrate more on your business objectives.

- **ThinkPlus Priority Support\***  
Saves time, reduces costs and maximizes productivity, by providing you with faster, 24x7, direct access to advanced-level skilled technicians for hardware and software issues (phone based).
- **ThinkPlus Warranty Upgrades**  
Maximize PC uptime and productivity by providing convenient and fast repair services at your place of business. up to 5 years of on-site service with next business day response.
- **ThinkPlus Warranty Extensions**  
Help accurately budget for PC expense, protects your investment and lowers the overall TCO with a fixed-term, fixed-cost service solution. Prolong the standard warranty support from 3 years to 4- or 5-year service.

### BEST ENTERPRISE-CLASS SECURITY

The ThinkPad T420 and T520 have multiple layers of security throughout the Hardware, Software, BIOS and options:

- Encrypted hard drive technology including remote management support
- Integrated fingerprint reader with 1 touch swipe for both power on and authentication
- Trusted Platform Module (TPM) and Lenovo Hardware Password Manager
- USB port enable or disable lock down settings in system BIOS
- Enterprise services to assist securing data and prevent loss

### COMPUTING IN COMFORT

The ThinkPad T420 and T520 are designed for the comfort of on-the-go professionals with:

- Keyboard design considered "Best in Class"
- T420 thin and light design starting under 2.26kg
- Long battery life up to 24 hours with bottom slice battery option
- Advanced keyboard noise suppression technology
- Easy-to-access microphone, speaker and camera mute buttons

### THINKPLUS PROTECTION

Lenovo's Protection Services help you avoid unbudgeted repair costs, secure your data, save money and achieve peace of mind.

- **ThinkPad® Protection (TPP)**  
Provides convenient coverage for unexpected damage, unintentional drops and minor spills, thereby helping you eliminate unplanned repair costs for even multiple repairs or replacement. Provided in authorised repair service centres only.
- **Hard Disk Drive Retention**  
Allows you to retain the hard drive, should it happen to fail, thus helping you protect your valuable data.

\* ThinkPlus Priority Support Availability Limited to Austria, Belgium, Denmark, Finland, France (excl. DOM/TOM and all other overseas Territories and Dependencies), Germany, Ireland, Luxembourg, Italy, Norway, Netherlands, Spain, Sweden, Switzerland and UK (mainland only).



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**THINKPAD  
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**The Lenovo® ThinkPad® T420 and T520 Notebook Specifications**

DESCRIPTION	T420	T520
<b>Processors</b>	Intel® Core™ i7-2620M (2.70GHz, 4MB L3, 1333MHz FSB) Intel® Core™ i5-2540M (2.60GHz, 3MB L3, 1333MHz FSB) Intel® Core™ i5-2520M (2.50GHz, 3MB L3, 1333MHz FSB)	Intel® Core™ i5-2410M (2.30GHz, 3MB L3, 1333MHz FSB) <sup>2</sup> Intel® Core™ i3-2310M (2.10GHz, 3MB L3, 1333MHz FSB) <sup>2</sup>  Intel® Core™ i7-2820QM (2.30GHz, 8MB L3, 1333MHz FSB) Intel® Core™ i7-2720QM (2.20GHz, 6MB L3, 1333MHz FSB) Intel® Core™ i7-2630QM (2.00GHz, 6MB L3, 1333MHz FSB)
<b>Preloaded OS (Operating System)</b>	Genuine Windows® XP Professional 32-bit Genuine Windows® Vista Business 32-bit Genuine Windows® Vista Home Basic 32-bit Genuine Windows® 7 Home Basic 32-bit Genuine Windows® 7 Home Premium 32-bit	Genuine Windows® 7 Home Premium 64-bit Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Ultimate 32-bit (Special Bid) <sup>1</sup> Genuine Windows® 7 Ultimate 64-bit (Special Bid) <sup>1</sup>
<b>Chipset</b>	Intel® QM67	
<b>Display</b>	14.0" HD (1366 x 768) (230 NITS) 14.0" HD+ (1600 x 900) (230 NITS)	15.6" HD (1366 x 768) 15.6" HD+ (1600 x 900) 15.6" FHD (1920 x 1080) (95% Gamut 270 NITS)
<b>Memory</b>	Up to 8GB DDR3 - 1333MHz (2 DIMM Slots)	
<b>Weight</b>	< 2.24kg (4.84lbs)	< 2.52kg (5.57lbs)
<b>Form Factor</b>	13.4in x 9.05in x 1.18in -1.20in (340mm x 229.8mm x 29.9-30.4mm)	14.68in x 9.65 in x1.25-1.40 in (373mm x 245mm x 31.8-35.6mm)
<b>I/O (Input/Output) Ports and Slots</b>	Display Port 1 Always-On USB 2.0 with yellow marking  2 USB 2.0 1 USB 2.0/eSATA Combo 4 in 1 Card Reader	34mm Express Card slot and SD Card reader  3 USB 2.0
<b>Optical Drive</b>	DVD ROM Read-Only <sup>1</sup>	Multi Burner/DVD CD Multi Rec
<b>Multimedia</b>	Dual digital HD mics and 720p HD Camera	
<b>Graphics</b>	Intel® Integrated HD Graphics	Discrete NVIDIA® NVS 4200M (1GB VRAM ) with Optimus™ Technology
<b>Internal PCIe Slots</b>	1 Full and 1 Half	
<b>WiMAX/WiFi</b>	Intel® Centrino® Advanced-N + WiMAX 6250 (Kilmer Peak) 2x2 AGN	
<b>WLAN</b>	Intel® Centrino® Ultimate-N 6300 (Puma Peak) 3x3 AGN Intel® Centrino® Advanced-N 6205 (Taylor Peak) 2x2 AGN	Intel® Centrino® Wireless-N 1000 (Condor Peak) 1x2 BGN ThinkPad BGN* (RealTek® - Stockton) 1x1 BGN
<b>LAN</b>	Intel® 82577LM Gigabit (Hanksville) Digital Office	Intel® 82577LC Gigabit (Hanksville) Fundamental
<b>WWAN Modules</b>	Gobi™ 3000 Sierra Wireless EV-DO/HSPA WWAN Minicard Ericsson HSPA+ WWAN Minicard (F5521gw)	LeadCore TD-SCDMA WWAN Minicard (LC5730D) Huawei EV-DO WWAN Minicard (EM660)
<b>HDD</b>	160GB (7200rpm) <sup>1</sup> 250GB (5400rpm/7200rpm OPAL <sup>1</sup> )	320GB (5400rpm/7200rpm)
<b>SSD</b>	4GB Solid State Flash Drive, Serial ATA <sup>1</sup> Intel® 80GB Micro Solid State Drive, Serial ATA	128GB Solid State Drive, Serial ATA Intel® 160GB Solid State Drive, Serial ATA
<b>Battery Life<sup>3</sup></b>	9 hours battery life with 9-cell battery	11 hours battery life with 9-cell battery

<sup>1</sup> CTO and Special Bid Only  
<sup>2</sup> Transaction CPU Offering for SMB  
<sup>3</sup> Increase your battery life to 24 hours with bottom sleeve battery life





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The Lenovo® ThinkPad® T420 and T520 Software

READY TO INSTALL

- ThinkVantage® Rescue & Recovery® 4.3
- ThinkVantage Password Manager 4.0
- ThinkVantage Access Connections™
- ThinkVantage SimpleTap 2.0
- Microsoft® Office Starter 2010
- Norton® Internet® Security (30-day trial)
- Skype™ Application 4.2

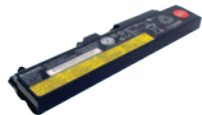
PRE-LOADED APPLICATIONS

- ThinkVantage Product Recovery 9.0
- ThinkVantage Toolbox v 1.4
- ThinkVantage Tools v2.0
- ThinkVantage Utilities 1.0
- ThinkVantage System Update 4.0
- Microsoft® Live Essentials
- Corel DVD Movie Factory
- Corel Burn Now
- Intervideo WinDVD

Notebook Options



Lenovo 90W Ultraslim AC/DC Combo Adapter (41R44xx)



ThinkPad Battery 55+ 6-cell (57Y4185)  
ThinkPad Battery 55++ 8-cell (57Y4186)  
ThinkPad Battery 27++ 9-cell slice (57Y4545)



ThinkPad Mini Dock Series 3 (45N66xx)  
ThinkPad Mini Dock Plus Series 3 (45N669x)



Lenovo Power Hub (57Y46xx)



(55Y3709) 1GB PC3-10600  
(55Y3710) 2GB PC3-10600  
(55Y3711) 4GB PC3-10600



(4336-10W) ThinkPad Port Replicator Series 3 (45N66xx)  
ThinkPad Mini Dock Series 3 (54N669)  
ThinkPad Mini Dock Plus Series 3



ThinkPad In-Ear Headphones (57Y4488)



(43R2476) ThinkPad Business Topload  
(43R2482) ThinkPad Business Backpack



ThinkPad Bluetooth® Laser Mouse (41U5008)



Kensington MicroSaver Cable Lock from Lenovo (73P2582)

[www.lenovo.com/think/europe](http://www.lenovo.com/think/europe)

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