



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. Up to 30 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 Onsite Warranty\***  
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.
- **ThinkPlus Warranty Onsite NBD Upgrades**  
Maximizes PC uptime and productivity by providing convenient and fast repair services at your place of business.
- **Warranty Extensions (1 year to 3 years)**  
Helps accurately budget for PC expense, protects your investment and lowers the overall TCO with a fixed-term, fixed-cost service solution.

### 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 5lbs
- Long battery life up to 30 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 coverage for unexpected damage, unintentional drops and minor spills, thereby helping you eliminate unplanned repair costs.
- **Hard Disk Drive Retention**  
Allows you to retain the hard drive, should it happen to fail, thus helping you protect your valuable data.

\* Not available in all regions



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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>4</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® 7 Home Basic Genuine Windows® 7 Home Premium Genuine Windows® 7 Professional	
<b>Chipset</b>	Intel® QM67	
<b>Display</b>	14.0" HD (1366 x 768) (200 NITS) 14.0" HD+ (1600 x 900) (250 NITS)	15.6" HD (1366 x 768) (220 NITS) 15.6" HD+ (1600 x 900) (220 NITS) 15.6" FHD (1920 x 1080) (95% Gamut 270 NITS)
<b>Memory</b>	Up to 8GB DDR3 - 1333MHz (2 DIMM Slots)	
<b>Weight</b>	Starting at 4.9lbs (2.24kg)	Starting at 5.74lbs (2.6kg)
<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 x 1.25-1.40 in (373mm x 245mm x 31.8-35.6mm)
<b>I/O (Input/Output) Ports and Slots</b>	Display Port w/ audio and VGA 1 Always-On USB 2.0 with yellow marking IEEE 1394 Firewire or Modem (RJ11)  2 USB 2.0 1 USB 2.0/eSATA Combo	34mm Express Card slot and optional 4-in-1 SD Card reader (SD / SDHC / SDXC / MMC slot) Smart Card Reader (Select Models)  3 USB 2.0 <sup>5</sup> 1 USB 2.0/eSATA Combo (on T520 Discrete Only)
<b>Optical Drive</b>	DVD ROM Read-Only <sup>1</sup>	Multi Burner/DVD CD Multi Rec
<b>Multimedia</b>	Dual Digital Mics and 720p HD Camera, 3.5mm Combo Jack	
<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 3x3 AGN Intel® Centrino® Advanced-N 6205 2x2 AGN	Intel® Centrino® Wireless-N 1000 1x2 BGN ThinkPad BGN* (RealTek®) 1x1 BGN
<b>LAN</b>	Intel® 82577LM Gigabit Digital Office	Intel® 82577LC Gigabit 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) 500GB (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>Adapters</b>	Integrated 65Watt, 90Watt, 135Watt Discrete 90Watt, 135Watt	Integrated 65Watt, 90Watt, 135Watt    Discrete 90Watt, 135Watt Integrated Quad Core 90Watt, 135Watt    Discrete Quad Core 135Watt
<b>Battery</b>	4 Cell (2.2 Ah) – 1 year Warranty 6 Cell (2.6 Ah) – 1 year Warranty	9 Cell (2.8 Ah) – 1 year Warranty 9 Cell (2.8Ah) Bottom Slice Battery Option
<b>Battery Life<sup>3</sup></b>	9hrs with 6 Cell 15hrs with 9 Cell 30hrs with 9 Cell + Slice Battery	7.7hrs with 6 Cell 12.8hrs with 9 Cell 25.6hrs with 9 Cell + Slice Battery
<b>Warranty</b>	FPO	
<b>Price</b>	FPO	

<sup>1</sup> Not available in all regions  
<sup>2</sup> Transaction CPU Offering for SMB  
<sup>3</sup> Increase your battery life to 24 hours with bottom sleeve battery life  
<sup>4</sup> T420 model only  
<sup>5</sup> Only 2 USB ports available on models with discrete graphics





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The Lenovo® ThinkPad® T420 and T520 Software

SUPPORTED OPERATING SYSTEMS

- 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>

READY TO INSTALL

- ThinkVantage® Toolbox v 1.4
- Lenovo ThinkVantage Tools v2.0
- ThinkVantage Rescue & Recovery® 4.3
- ThinkVantage Product Recovery 9.0
- ThinkVantage Password Manager 4.0
- ThinkVantage Utilities Musashi 1.0
- ThinkVantage Access Connections™
- ThinkVantage System Update 4.0
- ThinkVantage SimpleTap
- Hardware Password Manager
- ImageUltra™ Builder
- System Migration Assistant 6.0
- Client Security Software 8.3

PRE-LOADED APPLICATIONS

- Microsoft® Office Starter 2010
- Microsoft® Live Essentials
- Norton Internet Security (30-day trial)
- Skype™ Application 4.2
- Corel DVD Movie Factory
- Corel Burn Now
- Intervideo® WinDVD®

<sup>1</sup> Not available in all regions

Notebook Options



Lenovo 90W Ultralim AC/DC Combo Adapter (41R4493)



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



ThinkPad Mini Dock Series 3 (4337)  
ThinkPad Mini Dock Plus Series 3 (4338)



Lenovo Power Hub (57Y4600)



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



(4336-10W) ThinkPad Port Replicator Series 3  
(4337-10U) ThinkPad Mini Dock Series 3  
(4338-10U) 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)

1800.FPO.0659 [www.lenovo.com/think](http://www.lenovo.com/think)

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