



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 focuses on supporting faster boot times by adding a new generation accelerated bios, system driver maximization and a Genuine Windows® 7 Operating System. Combine 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

*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:

- 2nd 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 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 2.24kg
- 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 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.



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The Lenovo® ThinkPad® T420 and T520 Notebook Specifications

DESCRIPTION	T420	T520
Processors	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) ¹ 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)
Operating System	Genuine Windows® 7 Home Premium 32-bit Genuine Windows® 7 Home Premium 64-bit Genuine Windows® 7 Professional 64-bit	
Chipset	Mobile Intel® QM67 Express Chipset	
Display	14.0. HD (1366 x 768) 14.0. HD+ (1600 x 900)	15.6. HD (1366 x 768) 15.6. HD+ (1600 x 900) 15.6. FHD (1920 x 1080) (95% Gamut 270 NITS)
Memory	Up to 8GB DDR3 - 1333MHz (2 DIMM Slots)	
Weight	Starting at 2.24kg	Starting at 2.52kg
Form Factor	340.5mm x 233.0mm x 30.1mm – 30.5mm	373mm x 245mm x 31.8 – 35.6mm
I/O (Input/Output) Ports and Slots	Display Port 34mm Express Card slot and SD Card reader	4 USB Ports (2 Standard USB 2.0, 1 USB 2.0 – Always On with yellow marking, 1 USB / eSATA Combo) 4-in-1 Card Reader
Optical Drive	Multi Burner/DVD CD Multi Rec	
Multimedia	Dual digital HD mics and 720p HD Camera	
Graphics	Intel® HD Graphics 3000 processor graphics with dynamic frequency NVIDIA® NVS 4200M Optimus Graphics Technology (1GB VRAM)	
Internal PCIe Slots	1 Full and 1 Half	
Wireless LAN	Intel® Centrino® Ultimate-N 6300 (3x3 AGN) Intel® Centrino® Advanced-N 6205 (2x2 AGN)	Intel® Centrino® Wireless-N 1000 (1x2 BGN) ThinkPad BGN* (1x1 BGN)
WWAN Modules	Integrated Mobile Broadband (Ericsson F5521gw) with 21Mbps D/L	
HDD	Up to 320GB 5400rpm	Up to 500GB 7200rpm
SSD	Intel® 80GB Micro Solid State Drive, Serial ATA 128GB Solid State Drive, Serial ATA Intel® 160GB Solid State Drive, Serial ATA	
Battery Life²	Up to 7 hours with a 6-cell battery Up to 11.5 hours with a 9-cell battery	Up to 6.5 hours with a 6-cell battery

¹ Transaction CPU Offering for SMB
² 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 v1.4
- 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 (41R4501)



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



ThinkPad Mini Dock Series 3 (45N6687)
ThinkPad Mini Dock Plus Series 3 (45N6702)



Lenovo Power Hub (57Y4612)



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



(4336-10W) ThinkPad Port Replicator 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)

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