

Lenovo® recommends Windows® 7 Professional.



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## CUTTING-EDGE PERFORMANCE IN A SOPHISTICATED PACKAGE POWERFUL. PROFESSIONAL.

### THE LENOVO® THINKPAD® EDGE® E420 AND E520 NOTEBOOKS

To help SMB users experience business growth and productivity gains, Lenovo introduces the new ThinkPad® Edge E420 and E520 notebooks. These slim, elegant notebooks offer SMB users a sophisticated computing experience with the capabilities of enterprise PCs.

The ThinkPad® Edge E420 and E520 notebooks are fitted out with hardware that delivers the high performance levels that SMB users require. Second generation Intel® Core processors offer up to 20% performance increases over the previous generation. Intel® HD Graphics 3000 deliver a 2x performance gain, and a smoother experience with visually-demanding applications. For today's graphically-intensive content, the Edge series notebooks can be equipped with AMD Radeon™ HD video cards, with up to 2 GB of dedicated VRAM and 128-bit GPUs<sup>2</sup>.

The ThinkPad® Edge series also offers several features for a smoother, more effective user experience. The full size keyboard and numeric keypad<sup>1</sup> allows comfortable numeric and text data entry. Lenovo's Rapid Boot technology reduces boot times by up to 30%, allowing you to get to work faster. Web conferencing is also more comfortable with a light-sensitive Web camera, high audio fidelity, optimized speakers, and superior communications software.

In addition to the performance and usability features, the design of the ThinkPad® Edge notebooks has also been improved. The refined ThinkPad® Edge design is now up to 13% thinner and available in a soft matte finish.

Simplicity and ease of use, reputed Lenovo® reliability, a sleek, sophisticated design, and powerful computing make the ThinkPad® Edge E420 and E520 the essential notebook solution for today's SMB users.

#### TOP REASONS TO OWN

- Up to 20% faster computing with second generation Intel® core™ processors.
- Up to 30% reduction in boot time with Lenovo® Enhanced Experience for Windows® 7.
- High quality video conferencing with the low-light sensitive, 720p HD camera.
- Secure software and hardware with Lenovo® Active Protection System and a Spill-Resistant keyboard.
- Easy and comfortable data entry with the Lenovo® industry-leading keyboard, now with a numeric keypad<sup>1</sup>

#### 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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## POWERFUL, AFFORDABLE COMPUTING SOLUTIONS

The ThinkPad® Edge E420 and E520 fit neatly into SMB IT budgets without compromising on quality or performance.

- 2<sup>nd</sup> generation Intel® Core i7 processors deliver unmatched performance.
- Integrated Intel® HD Graphics and switchable discrete AMD Radeon™ graphics cards<sup>2</sup> provide an outstanding multimedia experience.
- Up to 750 GB HDDs offer ample storage space for critical business data.
- Starting at USD 549, the ThinkPad® Edge series offers SMB users top quality at an affordable price.

## SOPHISTICATED AND GREEN

- The ThinkPad® Edge E420 and E520 notebooks are environmentally friendly, and are designed to project a professional image.
- The superior ThinkPad® Edge design is now up to 13% thinner, and more suave and elegant than ever.
- The smooth matte finish is available in Midnight Black or Heatwave Red.
- Non-toxic inks have been used on the packaging, which itself is recyclable and made of 100% recyclable material.
- The ThinkPad® Edge notebook series is compliant with international standards including Energy Star 5.0, EPEAT Gold, and the RoHS Directive.

## PRODUCTIVE, MOBILE AND RELIABLE

The ThinkPad® Edge E420 and E520 are built to keep users productive, even when mobile.

- The ThinkPad® Edge E420 weighs 4.6 lbs. and the Edge E520 weighs 5.2 lbs., making them easy and comfortable to carry.
- WiFi, Gigabit Ethernet, and options for WWAN, WiMax and Bluetooth ensure constant connectivity while travelling.
- Lightweight construction with reinforced metal hinges makes the ThinkPad® Edge series notebooks sturdy, stable, and durable.
- The spill resistant keyboard protects core components in case of an accidental spill.
- ThinkVantage® Active Protection System™ and Rescue and Recovery® minimize data loss because of hardware corruption, enhancing critical data safety.

## UNMATCHED VOICE AND VIDEO CONFERENCING

The ThinkPad® Edge E420 and E520 offer users a state-of-the-art voice and video conferencing experience.

- Low-light sensitive, 720p HD camera delivers peerless video quality.
- Multiple audio modes ensure that individuals and groups can be heard distinctly when making audio or video calls.
- Taking notes during a call has never been easier with keyboard noise suppression technology on the ThinkPad® Edge notebooks

## SERVICE OFFERINGS

### 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.
- **Battery Extension (3 years)**  
With purchase of a three year extended warranty, protect the life of your battery with a 3 year battery extension.

### 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

<sup>1</sup> The numeric keypad is available on the ThinkPad® Edge E520 only.

<sup>2</sup> AMD Radeon HD 6630M is available on ThinkPad® Edge E520 only.

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## SPECIFICATIONS

DESCRIPTION	THINKPAD EDGE E420	THINKPAD EDGE E520
<b>Processors</b>	Intel® Core™ i7 2620M (2.7 GHz, 4 MB L3 cache) Intel® Core™ i5 2410M (2.3 GHz, 3 MB L3 cache) Intel® Core™ i3 2310M (2.1 GHz, 3 MB L3 cache)	
<b>Preloaded OS (Operating System)</b>	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 32-bit Genuine Windows® 7 Professional 64-bit Genuine Windows® XP (via downgrade)	
<b>Chipset</b>	Intel® QM65	
<b>Display</b>	14.0" (16:9 HD, 1366x768, LED backlit)	15.6" (16:9 HD, 1366x768, LED backlit)
<b>Memory</b>	Up to 8 GB DDR3 (1333MHz)	
<b>Weight</b>	4.6 lbs. (2.1 kg)	5.2 lbs. (2.4 kg)
<b>Dimensions (W x D x H)</b>	339 mm x 230 mm x 28-33 mm (13.34" x 9.05" x 1.10-1.29")	375 mm x 245 mm x 28-33 mm (14.76" x 9.64" x 1.10-1.29")
<b>I/O (Input/Output) Ports and Slots</b>	VGA out HDMI Gigabit Ethernet Microphone/speaker combo jack	4 x USB 2.0 (1 powered, 1 USB/eSATA combo) 4-in-1 card reader (MMC, SD, MS, MS-Pro, xD, SDHC) 34 mm Express Card
<b>Optical Drive</b>	Integrated tray-load DVD drive	
<b>Graphics</b>	Intel® HD Graphics/Intel® HD Graphics 3000	AMD Radeon™ HD 6630M (2 GB VRAM, 128-bit GPU, switchable) (optional) <sup>3</sup>
<b>Audio</b>	HD audio, Stereo speakers, Built-in microphone, Combo headphone/microphone-in	
<b>WLAN</b>	Intel® ABGN WLAN + WiMax Intel® BGN WLAN	Broadcom® ABGN WLAN Realtek BGN WLAN
<b>BlueTooth (Optional)</b>	Bluetooth 3.0	
<b>HDD</b>	Up to 750 GB Hard Disk Drive (with ThinkVantage® Active Protection System™) (7200 RPM)	
<b>SSD</b>	80 GB mini-SATA Solid State Drive ( <del>7200 RPM</del> ) 128 GB Solid State Drive	
<b>Webcam</b>	720p HD low-light sensitive Webcam	
<b>Battery</b>	4-cell (2.2 Ah), 6-cell (2.2 Ah)	
<b>Battery Life</b>	6 hours with integrated graphics, 5 hours with discrete graphics (6-cell)	
<b>Keyboard</b>	Full-size keyboard	Full size keyboard with numeric keypad
<b>Navigation</b>	Multi-gesture TouchPad	
<b>Colors</b>	Midnight Black Smooth, Heatwave Red Smooth	
<b>Others</b>	Fingerprint Reader (optional)	
<b>Warranty</b>	FPO	

<sup>3</sup> AMD Radeon HD 6630M is available on ThinkPad® Edge E520 only.





## SOFTWARE OFFERINGS

### SUPPORTED OPERATING SYSTEMS

- 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 Professional 32-bit
- Genuine Windows® XP (via downgrade)

### SUPPORTED TVT TOOLS

- ThinkVantage® Utilities
  - > Power Manager
  - > Rescue and Recovery® 4.2
  - > System Update™

- Access Connections™
- Active Protection System™
- Password Manager 3.0

### PRE-LOADED APPLICATIONS

- Norton® Internet Security 2011
- Microsoft® Office 2010 Starter
- Microsoft® Windows Live™ Essentials
- Skype™

## OPTIONS & ACCESSORIES



**Lenovo Ultralim Plus Wireless Keyboard & Mouse (0A34042); ThinkPad Bluetooth Laser Mouse (41U5008); ThinkPad Travel Mouse (31P7410)**

Reliable 2.4GHz Wireless keyboard and mouse combination; contemporary, low profile design  
[www.lenovo.com/support/keyboards](http://www.lenovo.com/support/keyboards)



**Kensington MicroSaver Cable Lock by Lenovo (73P2582) Kensington Twin Head Cable Lock by Lenovo (45K1620) Lenovo Security Cable Lock (57Y4303)**

Help reduce theft, increase physical asset protection  
[www.lenovo.com/support/security](http://www.lenovo.com/support/security)



**Lenovo 90W Ultralim AC/DC Combo Adapter (41R4493); ThinkPad and Lenovo 90W AC Adapter (40Y7659); ThinkPad and Lenovo 65W AC Adapter (40Y7696)**

Power your notebook and your cell phone, PDA where you go; in the office, at home, on the road, or in the air  
 Small, lightweight design: 0.88 lbs (400g)  
[www.lenovo.com/support/poweradapters](http://www.lenovo.com/support/poweradapters)



**ThinkPad 65W AC Adapter with USB Hub (57Y4600)**

Staying powered and connected to your workspace is now more convenient  
 – 3 standard USB 2.0 ports  
 – 1 power-only USB 2.0 port for charging cell phones  
[www.lenovo.com/support/poweradapters](http://www.lenovo.com/support/poweradapters)



**ThinkPad Business Topload Case (43R2476) ThinkPad Business Backpack (43R2482) ThinkPad Checkpoint Friendly Case (51J0418) Wenger Backpack for Lenovo (57Y4271) Wenger Deluxe Slim Case for Lenovo (57Y4272)**

Easily transport and protect your ThinkPad, up to 15.4-inch wide, against bumps and jostles  
[www.lenovo.com/support/cases](http://www.lenovo.com/support/cases)



**ThinkPad In-Ear Headphones (57Y4488)**

High-quality voice and audio performance for internet voice conversations, multimedia applications  
[www.lenovo.com/support/audio](http://www.lenovo.com/support/audio)



**ThinkPad Battery 25 (4 cell) (51J0498) ThinkPad Battery 25+ (6 cell) (51J0499) ThinkPad Battery 25++ (9 cell) (51J0500)**

Carry battery spares, or replace system batteries when charge capacity diminishes with time  
 Small, lightweight design  
[www.lenovo.com/support/batteries](http://www.lenovo.com/support/batteries)



**PC3-10600 DDR3-1333 Memory 1GB (55Y3709) PC3-10600 DDR3-1333 Memory 1GB (55Y3710) PC3-10600 DDR3-1333 Memory 1GB (55Y3711)**

Lowest cost method to boost system performance  
[www.lenovo.com/support/notebookmemorycompatibility](http://www.lenovo.com/support/notebookmemorycompatibility)



**ThinkPad eSATA/USB 500GB Secure Hard Drive (57Y4400); ThinkPad USB Secure Hard Drive 160GB, 320GB (43R2018) (43R2019)**

Secure your valuable data in a slim, lightweight, self-powered easy to use design.  
[www.lenovo.com/support/security](http://www.lenovo.com/support/security)



**Lenovo USB 2.0 Port Replicator with Digital Video (0A33942)**

Convenient cable management & connectivity for monitor, LAN, 4 USB 2.0 devices  
 Supports attachment of a VGA analog or a DVI digital monitor supporting 1920 x 1200 resolution  
[www.lenovo.com/support/docks](http://www.lenovo.com/support/docks)

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

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