## ThinkPad T530 2392 (TopSeller)

### Product Specifications Reference (PSREF)

<table>
<thead>
<tr>
<th>Type-model</th>
<th>Processor</th>
<th>Memory</th>
<th>Wide-screen display</th>
<th>Camera</th>
<th>Disk</th>
<th>Backlit key-board</th>
<th>PCle Mini Card</th>
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<th>Finger print reader</th>
<th>Battery cells</th>
<th>Intel AMT</th>
<th>Preload (mm/yy)</th>
<th>Ann Date</th>
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<tbody>
<tr>
<td>2392-38G</td>
<td>i5-3210M</td>
<td>4GB x1</td>
<td>15.6” HD</td>
<td>720p</td>
<td>500G</td>
<td>7200</td>
<td>Backlit</td>
<td>Intel 6205®</td>
<td>None</td>
<td>Finger</td>
<td>BT</td>
<td>Proload</td>
<td>64/06/12</td>
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</table>

- **Small and medium business (SMB) model(s), part of the WE TopSeller™ Program**
- **A depot repair service 3-year warranty**

### Positioning

**Processor**

Premiere performance; two spindles

**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology**

**Memory**

16GB max* / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

* System automatically clocks down for processors with 1333MHz DDR3 memory controller

**Optical Ultrabay SATA disk**

One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access

- **Some:** Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5'' wide, 7mm high
- **Some:** HDD / SATA 3.0Gb/s, 2.5'' wide, 7mm or 9.5mm high, Active Protection System™

**mSATA™ SSD**

All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive

**Widescreen display**

- **Some:** 15.6” (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16.9'' aspect ratio, 500:1 contrast ratio, 60% Gamut
- **Some:** 15.6” (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16.9'' aspect ratio, 500:1 contrast ratio, 60% Gamut
- **Some:** 15.6” (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16.9'' aspect ratio, 500:1 contrast ratio, 95% Gamut

**Camera**

HD720p resolution, wide view angle, low light sensitive, face detection, fixed focus

**Graphics**

Intel HD Graphics 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1080@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)

**Keyboard**

TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar®, magnifying glass

- **6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight**
- **TrackPoint® pointing device**
- **UltraNav™:** wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
- **ThinkLight™**

**Dimensions**

15.6W” (WxDxH): 14.68” x 9.65” x 1.25-1.40”; 372.8mm x 245.1mm x 31.8-35.6mm

**Weight**

6-cell: starting at 5.39 lb (2.45kg); 9-cell: starting at 5.76 lb (2.62kg)

**Case material**

- **Display cover:** Carbon-fiber / Glass-fiber hybrid
- **Bottom:** Glass-fiber reinforced plastic without paint

**Battery - type**

Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication

**Battery - life**

6-cell (57Whr): up to 9.1 hr; 9-cell (94Whr): up to 15.3 hr; 9-cell plus 9-cell Slice battery (94Whr): up to 30.6 hr

**Chipset**

Mobile Intel QM77 Express Chipset

One slot (ExpressCard/34)

**Smart Card Read**

None

**Multicard Reader**

4-in-1 reader (MMC, SD, SDHC, SDXC)

**Ports**

Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

**PCle Mini Card**

Two PCI Express Mini Card slots

**PCle WLAN®**

11a/b/g/n, PCle Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2

**WLAN**

Wireless WAN upgradable

**SIM card**

None

**Modern**

None

**IEEE 1394**

None

**Bluetooth™**

Bluetooth 4.0 wireless

**Ethernet**

Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCle x1

**Intel AMT**

None

**Audio support**

HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack

**Security**

Power-on password, hard disk password, supervisor password, security keyhole

**Security chip**

Trusted Platform Module, TCG 1.2-compliant

**Fingerprint reader**

AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip

**Limited warranty**

3-years / 1-yr battery - depot repair service / service upgrades available

### Preloaded operating system

Genuine Windows 7 Professional 64

**Ready to install applications**

- Rescue and Recovery™
- Password Manager

### Preloaded applications

- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage
- SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded:
  - purchase a product key to activate

**Norton™ Internet Security 2012**

- 30 days of virus definitions
- Adobe® Reader®
- Skype™ for Windows
- Evernote
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD+RW)
- Corel Burn.Now™ Lenovo Edition (Dvd+Rw)
- Corel DVD MovieFactory® Lenovo Edition (Dvd+Rw)
- Corel DVD MovieFactory®

### Support

90-watt AC adapter

ThinkPad Roll Cage (one-piece magnesium frame)

EPEAT® Gold rating

ENERGY STAR® 5.0-compliant

GREENGUARD® certified

RoHS-compliant

International Warranty Service®

24 hour x 7 day toll-free support during the warranty period

See footnotes for more detailed information

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(G-KN4-1) June 2012
### Product Specifications Reference (PSREF)

- **ThinkPad T530 2392 (TopSeller) - Windows 8**

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</table>

**Positioning**

- **Preloaded operating system**
  - Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

- **Preloaded applications** (only some listed)
  - Windows 7 models
    - Lenovo Message Center Plus
    - ThinkVantage Product Recovery
    - Access Connections™
    - ThinkVantage Power Manager
    - Lenovo SimpleTap
    - Adobe® Reader
    - Windows Live™ Essentials
    - Corel® WinDVD® (DVD±RW)
    - Corel® BackupDVD™ Lenovo Edition (DVD±RW)
    - Corel® DVD MovieFactory™ Lenovo Edition (DVD±RW)

- Windows 8 models
  - Lenovo Support
  - Lenovo Companion
  - Lenovo QuickLaunch
  - AccuWeather
  - PC Device Stage
  - Cyberlink Power2Go (DVD±RW)
  - Cyberlink PowerProducer (DVD±RW)

- All models
  - Lenovo Solution Center
  - Password Manager
  - ThinkVantage System Update
  - Fingerprint Software (fingerprint models)
  - Lenovo Cloud Storage by SugarSync
  - Microsoft® Office preloaded; purchase a product key to activate
  - Norton™ Internet Security (30 days of virus definitions)

**Fingerprint reader**

- **Supports ThinkVantage® technologies**
  - 65-watt AC adapter
  - ThinkPad Roll Cage (one-piece magnesium frame)
  - ENERGY STAR® 5.0-compliant
  - GREENGUARD® Gold rating

**Limited warranty**

- 3-years 1-year battery - depot repair service / service upgrades available

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**See footnotes for more detailed information**

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### Preloaded operating system
- Genuine Windows 7 Professional 64

### Ready to install applications
- Rescue and Recovery™
- Password Manager

### Preloaded applications
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- FingerPrint Software (fingerprint models)
- ThinkVantage System Update
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader™
- Windows Live™ Essentials
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIT
- Windows Live™ Essentials
- Corel® WinDVD® (DVD+RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD+RW)

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<th>mSATA</th>
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<td>720p</td>
<td>500G</td>
<td>7200</td>
<td>Backlit</td>
<td>Intel 6205/4</td>
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<td>Finger 6</td>
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<td>2392-38G</td>
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- **Small and medium business (SMB) model(s), part of the WE TopSeller™ Program**
- A depot repair service 3-year limited warranty

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See footnotes for more detailed information © Lenovo (G-KN4-2) August 2013
ThinkPad T530 2392 (Optimus) - TopSeller (Windows 8)

Product Specifications Reference (PSREF)

**Positioning**

Premiere performance; two spindles

**Processor**

Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller, up to 1600MHz, Intel Turbo Boost 2.0 (3.10GHz), HT technology

Intel Core i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology

Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology

Preloaded operating system

- Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit

Preloaded applications

- Lenovo ThinkVantage System Update
- Lenovo Support
- Lenovo Support by SugarSync
- Microsoft Office preloaded; purchase a product key to activate
- Norton® Internet Security (30 days of virus definitions)

Supports ThinkVantage® technologies

- 90-watt AC adapter
- ThinkPad Roll Cage (one-piece magnesium frame)
- ENERGY STAR® 5.0-compliant
- RoHS-compliant
- International Warranty Service (3 years)

Limited warranty

3 years/1-year battery - depot repair service / service upgrades available

See footnotes for more detailed information

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(G-KNM-9) October 2012
| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB | rpm | Backlight keyboard | PCIe Mini Card | PCIe Mini Card WAN / mSATA | Smart Card Reader | Finger print reader | Battery cells | Intel AMT | Intel vPro (P) Preload (mm/yy) | Ann Date |
|-----------|-----------|--------|---------------------|--------|-------------|-----|-------------------|---------------|--------------------------|-----------------|------------------------|--------------|-----------|-----------------|-----------|---------------------|
| 2394-5UG | i5-3320M | 4GBx1 | 15.6" HD | 720p | 180G SSD | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-5VG | i5-3320M | 4GBx1 | 15.6" HD | 720p | 128G SSD | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-5YG | i7-3520M | 4GBx1 | 15.6" HD | 720p | 500G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-62G | i5-3320M | 4GBx1 | 15.6" HD | 720p | 500G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-63G | i5-3320M | 4GBx1 | 15.6" HD | 720p | 500G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-64G | i5-3320M | 4GBx1 | 15.6" HD | 720p | 320G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-23G | i5-3320M | 4GBx1 | 15.6" HD | 720p | 500G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-70G | i5-3320M | 4GBx1 | 15.6" HD | 720p | 320G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 64 | 06/12 |
| 2394-7HG | i5-3320M | 4GBx1 | 15.6" HD | 720p | 320G 7200 | None | Intel 6205 | Finger | BT | None | 6 IAMT vPro | G Pro | 07/12 |

**Positioning**

- **Processor**: Intel Core i7-3520M processor (2 cores, 2.60GHz, 3MB cache)
- **Display**: 15.6" HD+ (1920x1080) color, anti-glare, LED backlight, 9-cell (94Whr) upgradable SSD (75Whr)
- **Keyboard**: 6-row, 84-key,ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
- **Printer**: Supports dual independent display; Maximum external resolution: 2560x1600 @ 60Hz

**Memory**

- 16GB max / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
- System automatically clocks down for processors with 1333MHz DDR3 memory controller

**Optical Ultrabay SATA disk**

- DVD burner, 12.7mm Ultrabay Enhanced, removable
- One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access
- Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high
- HDD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System

**mSATA SSD**

- 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 50:1 contrast ratio, 60% Gainut
- 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 50:1 contrast ratio, 60% Gainut
- 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:9 aspect ratio, 50:1 contrast ratio, 95% Gainut
- HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

**Graphics**

- Intel HD Graphics 4000, dual-channel capable, two 204-pin SO-DIMM sockets
- DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
- 6-cell (57Whr): up to 9.1 hr; Bottom: up to 15.3 hr
- 9-cell (94Whr): up to 15.3 hr; Bottom: up to 15.3 hr
- Battery: Li-ion 6-cell or 9-cell, supports optional AC power as battery, HW Authentication
- HD720p (75Whr), up to 9.1 hr; 9-cell (94Whr): up to 15.3 hr; 9-cell plus 2-cell Slide battery (94Whr): up to 39.6 hr

**Chipset**

- Mobile Intel QM77 Express Chipset
- ExpressCard: One slot (ExpressCard/34)
- Smart Card Reader: None
- MultiCard Reader: 4-in-1 reader (MMC, SD, SDHC, SDXC)
- Ports: Two USB 3.0, two USB 2.0 (powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)
- PCle Mini Card: Two PCI Express Mini Card slots
- PCle WAN: Wireless WAN upgradeable
- SIM card: None
- Modem: None
- IEEE 1394: None
- Bluetooth: None
- Ethernet: Intel 8257LM Gigabit Network Connection (Lewisville), PHY, PCle x1
- Intel AMT: None
- Audio support: HD Audio, Realtek ALC2932 codec, Dolby Audio v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
- Security: Power-on password, hard disk password, supervisor password, security keyhole
- Security chip: Trusted Platform Module, TCG 1.2-compliant
- Finger print reader: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip

**Preloaded loading system**

- Genuine Windows 7 Professional 64

**Ready to install applications**

- Rescue and Recovery™
- Password Manager

**Preloaded applications**

- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- FingerPrint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded:
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  - Adobe® Reader®
  - Skype® for Windows
  - Evernote
  - Intel Small Business Advantage
  - RapidBoot HDD Accelerator
  - Symantec™ VIP
  - Windows Live™ Essentials
  - Corel® WinDVD® (DVD:RW)
  - Corel DVD MovieFactory® Lenovo Edition (DVD:RW)

**Note:**

- 3-years / 1-yr battery - depot repair service / service upgrades available during the warranty period

- A depot repair service 3-year limited warranty

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See footnotes for more detailed information

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(G-KN4-3) November 2012
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- A depot repair service 3-year limited warranty

- Preloaded operating system:
  - Windows® 8 Pro 64-bit

- Preloaded applications:
  - Microsoft® Office preloaded;
  - Adobe® Reader
  - Corel DVD MovieFactory® Essentials
  - Cyberlink Power2Go (DVD±RW)
  - Cyberlink PowerProducer (DVD±RW)
  - Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- Windows 7 models:
  - Lenovo® Message Center Plus
  - ThinkVantage Product Recovery
  - Access Connections™
  - ThinkVantage Power Manager
  - Lenovo SimpleTap
  - Adobe® Reader
  - Windows Live™ Essentials
  - Corel® WinDVD® (DVD±RW)
  - Corel Burner™ Lenovo Edition (DVD±RW)

- Windows 8 models:
  - Lenovo Support
  - Lenovo Companion
  - Lenovo QuickLaunch
  - AccuWeather
  - PC Device Stage
  - Cyberlink Power2Go (DVD±RW)
  - Cyberlink PowerProducer (DVD±RW)

- All models:
  - Lenovo Solution Center
  - Password Manager
  - ThinkVantage System Update
  - FingerPrint Software (fingerprint models)
  - Lenovo Cloud Storage by SugarSync
  - Microsoft® Office preloaded; purchase a product key to activate
  - Norton™ Internet Security (30 days of virus definitions)

- ENERGY STAR®
  - EPEAT
  - GREENGUARD
  - 65-watt AC adapter
  - ThinkPad Roll Cage (one-piece magnesium frame)
  - EPEAT® Gold rating
  - ENERGY STAR® 5.0-compliant
  - GREENGUARD® certified
  - RoHS-compliant
  - International Warranty Service

See footnotes for more detailed information
ThinkPad T530 2394 (Optimus)

Type-model Processor Memory Wide-screen display Disk SATA GB rpm Backlit keyboard PCl e Mini Card WLAN PCl e Mini Card WWAN SIM card Smart Card Reader Finger print reader Battery cell Intel GMP Global (G) GMP Preload Ann Date
2394-5RG i5-3520M 4GBx1 15.6" FHD 180G SSD None Intel 6205™ WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-5TG i5-3520M 4GBx1 15.6" HD+ 180G SSD None Intel 6205 WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-5WG i5-3520M 4GBx1 15.6" FHD 500G 7200 None Intel 6205 WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-5XG i5-3520M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-5ZG i5-3320M 4GBx1 15.6" FHD 500G 7200 None Intel 6205 WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-61G i5-3320M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-64G i5-3320M 4GBx1 15.6" HD+ 320G 7200 None Intel 6205 WWAN upg None None Finger 9 iAMT vPro G Pro 64 06/12
2394-7GG i5-3320M 4GBx1 15.6" HD 180G SSD None Intel 6300™ Ericsson selectable Smart Finger 9 None No Pro 64 10/12
2394-7EG i5-2520M 4GBx1 15.6" HD+ 500G 7200 Backlit Intel 6205 Ericsson selectable Smart Finger 9 None No Pro 64 10/12

Positioning Processor Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core® i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology

Memory 16GB maxi / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller

Optical Ultrabay SATa disk One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access
Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high
Some: SSD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9mm high, Active Protection System™ All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD None

Widescreen display Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
Some: 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut

Camera HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

Graphics NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 or 4000 in processor and NVIDIA® NVS™ 5400M, PCI Express® x16, 1GB memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays; supports Mini DisplayPort via optional Mini DP cable; 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)

Keyboard TrackPoint® 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
Touchpad ThinkLight™ UltraNav, wide touchpad below keyboard, Tap Zone, scrolling, multi-touch

Dimensions 15.6" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm
Weight2 6-cell: 2.20 lb (1kg); 9-cell: 2.74 lb (1.25kg)

Battery - type Lithium ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication 6-cell (57Whr): up to 7.7 hr; 9-cell (94Whr): up to 12.8 hr; 9-cell plus 9-cell Slice battery (94Whr): up to 25.6 hr

Chipset Mobile Intel QM77 Express Chipset
ExpressCard One slot (ExpressCard/34)
Smart Card Reader None
Multicard Reader 4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

PCl e Mini Card Two PCI Express Mini Card slots
PCl e WLAN Some: 11a/b/g/n, PCl e Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Some: 11a/b/g/n, PCl e Half Mini Card, Intel Centrino Ultimate-N 6300, 3x3
PCl e WWAN Some: Wireless WAN upgradable
Some: Wireless WAN, Ericsson® HS321gw Mobile Broadband Module, PCl e Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS
SIM card Some: User selectable, contract required with service provider

Modern None
IEEE 1394 IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
Bluetooth TM Bluetooth 4.0 wireless
Ethernet Intel 82579LM Gigabit Network Connection (Lewisville), PHY PCx1
Audio support HD Audio, Realtek® ALC2302 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security chip Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader Authentic fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip

Limited warranty1 3-years/1-yr battery - depot repair service / service upgrades2 available

Preloaded operating system™ Genuine Windows® 7 Professional 64
Ready to install applications14 (only some listed)
Lenovo® Solution Center
Lenovo Message Center Plus
ThinkVantage Rescue and Recovery™
Access Connections™
Fingerprint Software (fingerprint models)
ThinkVantage System Update
ThinkVantage Power Manager
Lenovo Cloud Storage
SugarSync
Lenovo SimpleTap
Microsoft Office preloaded; purchase a product key to activate
Norton® Internet Security 2012 (30 days of virus definitions)
Adobe® Reader®
Skype™ for Windows
Evernote
Intel Small Business Advantage
RapidBoot HDD Accelerator
Symantec™ VIP
Windows Live Essentials
Corel® WinDVD® (DVD:RW)
Corel DVD MovieFactory® Lenovo Edition (DVD:RW)

Supports ThinkVantage® technologies
90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT® Gold rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service17
24 hour x 7 day18 toll-free support during the warranty period13

See footnotes for more detailed information © Lenovo

(KN-4-4) August 2013
### Product Specifications Reference (PSREF)

**ThinkPad T530 2394 (Optimus) - Windows 8**

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<th>PCIe Mini Card</th>
<th>Finger print reader</th>
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<td>500G</td>
<td>7200</td>
<td>None</td>
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<td>vPro</td>
<td>G</td>
<td>10/12</td>
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</table>

- **Positioning**
  - Processor: Intel Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
  - Memory: 16GB max/ PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

- **Memory**
  - 16GB max/ PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

- **Optical Drive**
  - DVD burner, 12.7mm Ultrabay Enhanced, removable
  - Ultrabay Slim-compatible, 12.7mm high, bottom access

- **Battery**
  - 270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut

- **Graphics**
  - NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA NVS® 5400M, PCI Express® x16, 1GB memory

- **Processor**
  - 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut

- **Chipset**
  - Mobile Intel QM77 Express Chipset

- **Express Card**
  - 4-in-1 reader (MMC, SD, SDHC, SDXC)

- **Ports**
  - Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

- **Sound**
  - 5.0-compliant certified

- **Security**
  - Power-on password, hard disk password, supervisor password, security keyhole

- **Limited warranty**
  - 3-years/1-yr battery - depot repair service / service upgrades available

---

- **• A depot repair service 3-year limited warranty**

- **Preloaded operating system**
  - Windows® 8 Pro 64-bit

- **Preloaded applications** (only some listed)
  - Windows 7 models
  - Lenovo® Message Center Plus
  - ThinkVantage Product Recovery
  - Access Connections™
  - ThinkVantage Power Manager
  - Lenovo SimpleTap
  - Adobe® Reader®
  - Windows Live™ Essentials
  - Corel® WinDVD® (DVD:RW)
  - Corel® Burner Now® Lenovo Edition (DVD:RW)
  - Corel® MovieFactory® Lenovo Edition (DVD:RW)

- **Windows 8 models**
  - Lenovo Support
  - Lenovo Companion
  - Lenovo QuickLaunch
  - AccuWeather
  - PC Device Stage
  - Cyberlink Power2Go (DVD:RW)
  - Cyberlink PowerProducer (DVD:RW)

- **All models**
  - Lenovo Solution Center
  - Password Manager
  - ThinkVantage System Update
  - FingerPrint Software (fingerprint models)
  - Lenovo Cloud Storage by SugarSync
  - Microsoft® Office preloaded; purchase a product key to activate
  - Norton™ Internet Security (30 days of virus definitions)

- **90-watt AC adapter**
  - ThinkPad Roll Cage (one-piece magnesium frame)
  - EPEAT® Gold rating
  - ENERGY STAR® 5.0-compliant
  - GREENGUARD® certified
  - RoHS-compliant

- **International Warranty Service**
  - 24 hour x 7 day toll-free support during the warranty period"
## Product Specifications Reference (PSREF)

### Type-model
- **2429-2WG**: i5-3520M 4GBx1 15.6" HD+ 180G SSD None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-5UG**: i7-3520M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-5VG**: i5-3520M 4GBx1 15.6" HD+ 180G SSD None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-5YG**: i7-3520M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-2DG**: i5-3320M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 Ericsson selectable Smart 6 90W iAMT vPro Pro 64 06/12
- **2429-23G**: i7-3520M 4GBx1 15.6" HD 500G 7200 None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-22G**: i5-3320M 4GBx1 15.6" HD 320G 7200 None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-70G**: i5-3320M 4GBx1 15.6" HD+ 320G 7200 None Intel 6205 WWAN upg None Smart 6 65W iAMT vPro G P Pro 64 07/12
- **2429-74G**: i5-2520M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 WWAN upg None None 6 65W None No Pro 64 06/12
- **2429-22G**: i5-3320M 4GBx1 15.6" HD 320G 7200 None Intel 6205 WWAN upg None None 6 65W iAMT vPro G P Pro 64 06/12
- **2429-4G**: i5-3320M 4GBx1 15.6" HD+ 320G 7200 None Intel 6205 WWAN upg None Smart 6 65W iAMT vPro G P Pro 64 06/12
- **2429-74G**: i5-2520M 4GBx1 15.6" HD+ 500G 7200 None Intel 6205 WWAN upg None Smart 6 65W iAMT vPro G P Pro 64 07/12
- **2429-73G**: i5-2520M 4GBx1 15.6" HD+ 320G 7200 None Intel 6205 WWAN upg None Smart 6 65W None No Pro 64 10/12

### Positioning
- **Processor**: Intel® Core™ i5-3520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology
- **Memory**: 16GB max' / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
- **Optical Drive**: DVD burner, 12.7mm Ultrabay Enhanced, removable
- **Battery - life**: 9-cell (94Whr): up to 9.1 hr; 6-cell: up to 5.39 hr; 14.68" x 9.65" x 1.25-1.40"; 372.8 mm x 245.1 mm x 31.8-35.6 mm

### Graphics
- **Graphics**: Intel HD Graphics 3000 or 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort, supports dual independent displays; supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort, supports dual independent displays; supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort, supports dual independent displays
- **Camera**: HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

### Preloaded operating system
- **Genuine Windows® 7 Professional 64**

### Ready to install applications
- **Rescue and Recovery™**
- **Password Manager**

### Preloaded applications
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- FingerPrint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton® Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD:RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD:RW)

### Chipset
- **ExpressCard**: Mobile Intel QM77 Express Chipset
- **Smart Card Reader**: Smart Card Reader
- **Multicard Reader**: 4-in-1 reader (MMC, SD, SDHC, SDXC)
- **USB Port**: Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

### Power Adapter
- **Voltage**: 65-watt or 90-watt AC adapter
- **Input**: ThinkPad Roll Cage (one-piece magnesium frame)
- **Output**: EPEAT® Gold rating
- **Certification**: ENERGY STAR® 5.0-compliant
- **RoHS-compliant**: International Warranty Service

### See footnotes for more detailed information © Lenovo (G-KN4-5) August 2013
ThinkPad T530 2429 (Onsite) - Windows 8

Product Specifications Reference (PSREF)

Type-model          Processor       Memory                 Wide-screen display     Disk         SATA GB rpm  Backlit key-board   PCle Mini Card       PCle Mini Card       SIM card         Finger print reader   Battery cells    Intel AIO          Global (G)         Preload (P)          Ann Date (mm/yy)
2429-6MG  i5-3210M 4GBx1          15.6" HD 500G 7200          Backlit Intel 6205^5  WWAN upg  None       Finger 6       None          No           Win7 Pro64 10/12
2429-6KG  i7-3520M 4GBx1          15.6" HD 500G 7200          Backlit Intel 6205^5  WWAN upg  None       Finger 6       None          iAMT vPro        G P           Win8 Pro64 10/12
2429-42G  i5-3520M 4GBx1          15.6" HD 500G 7200          None          Intel 6205 WWAN upg  None       Finger 6       None          None          Win7 Pro64 10/12
2429-43G  i5-3320M 4GBx1          15.6" HD 500G 7200          None          Intel 6205 WWAN upg  None       Finger 6       None          None          Win8 Pro64 10/12
2429-44G  i5-3320M 4GBx1          15.6" HD 320G 7200          None          Intel 6205 WWAN upg  None       Finger 6       None          None          Win8 Pro64 10/12
2429-42G  i7-3520M 4GBx1          15.6" HD 500G 7200          None          Intel 6205 WWAN upg  None       Finger 6       None          None          Win8 Pro64 10/12
2429-6KG  i7-3520M 4GBx1          15.6" HD 500G 7200          Backlit Intel 6205^5  WWAN upg  None       Finger 6       None          iAMT vPro        G P           Win7 Pro64 10/12
2429-6DG  i5-3210M 4GBx1          15.6" HD 500G 7200          Backlit Intel 6205^5  WWAN upg  None       Finger 6       None          None          Win7 Pro64 10/12

- Some models are part of the Global Models Plus program with limited onsite service^3 3-year limited warranty

Positioning
Processor          Premiere performance; two spindles

Intel Core^tm i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000,

DRR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology

Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,

DRR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology

Memory

16GB max / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

* System automatically clocks down for processors with 1333MHz DDR3 memory controller

Optical

Ultrabay

SATA disk

DVD burner, 12.7mm Ultrabay Enhanced, removable

One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access

Some: Solid State Drive (SSD) / SATA 6.0Gbs, 2.5" wide, 7mm high

Some: SSD / SATA 3.0Gbs, 2.5" wide, 7mm or 9.5mm high, Active Protection System™

All: removable, upgradeable, supports the second disk, Shock Mounted Hard Drive

mSATA^™ SSD

None

Widescreen display

Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight,

220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut

Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight,

220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut

Some: 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight,

220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut

HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

Camera

HD Audio, Realtek^tm

Some: Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1

Some: Mobile Intel 890ML Gigabit Ethernet (Ann Arbor), PHY, PCIe x1

Some: None

IEEE 1394

None

Bluetooth^tm

4.0 wireless

Gigabit Ethernet

HD Audio, Realtek^tm ALC2602 codec, Dolby^tm Advanced Audio^™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Trusted Platform Module, TCG 1.1-compliant

Fingerprint reader

AuthenTic fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip

Limited warranty^8 3-years/1-year battery, limited onsite service^4, 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available

Preloaded operating system^10

- Some: Windows^® 7 Professional 64

preinstalled through downgrade rights in Windows 8 Pro 64-bit

- Some: Windows 8 Pro 64-bit

Preloaded applications^6 (only some listed)

- Windows 7 models

  Lenovo^® Message Center Plus

  ThinkVantage Product Recovery

  Access Connections™

  ThinkVantage Power Manager

  Lenovo SimpleTap

  Adobe^® Reader

  Windows Live™ Essentials

  Corel^® WinDVD™ (DVD:RW)

  Corel Burn:Now™ Lenovo Edition (DVD:RW)

  Corel DVD MovieFactory™ Lenovo Edition (DVD:RW)

- Windows 8 models

  Lenovo Support

  Lenovo Companion

  Lenovo QuickLaunch

  AccuWeather

  PC Device Stage

  Lenovo Cloud Storage

  Lenovo Companion

  Lenovo Internet Security

  Norton™ Internet Security

- All models

  Lenovo Solution Center

  Password Manager

  Lenovo QuickLaunch

  ThinkVantage System Update

  Fingerprint Software (fingerprint models)

  Lenovo Cloud Storage

  Lenovo QuickLaunch

  Microsoft^® Office preloaded;

  purchase a product key to activate

  Norton™ Internet Security

  (30 days of virus definitions)

See footnotes for more detailed information

© Lenovo

(G-KN4-12) August 2013
## Positioning

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<th>Battery cells</th>
<th>Intel Preload</th>
<th>Preload (mny)</th>
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<td>15.6&quot; HD+</td>
<td>240 G</td>
<td>FDE SSD</td>
<td>Backlit</td>
<td>Intel 6205™</td>
<td>Finger</td>
<td>BT</td>
<td>6</td>
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<td>2429-84G</td>
<td>i5-3230M</td>
<td>4GBx1</td>
<td>15.6&quot; HD</td>
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<td>Backlit</td>
<td>Intel 6205™</td>
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<td>Backlit</td>
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<td>256 G</td>
<td>SSD OPAL</td>
<td>Backlit</td>
<td>Intel 6205™</td>
<td>Finger</td>
<td>BT</td>
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## Processor

Premiere performance; two spindles

**Intel® Core™ i5-3230M processor** (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600Mhz), Intel Turbo Boost 2.0 (3.20GHz), HT technology

## Memory

16GB max / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

* System automatically clocks down for processors with 1333MHz DDR3 memory controller

## Optical

**Unlimited**

One bay for removable devices, UltraBay Slim-compatible, 12.7mm high, bottom access

**SATA**

Onebay for removable devices, UltraBay Slim-compatible, 12.7mm high, bottom access

**Display**

Some: HD / SAD 3.0Gb/s, 2.5" wide, 7mm high

Some: 12.7mm thick, width 9.5mm, height 3.7mm. Active Protection System™

All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive

**SSD**

mSATA™ SSD

* None

## Widescreen display

**Some:** 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16.9 aspect ratio, 1001 contrast ratio, 60% Gamut

**Some:** 1600x900 color, LED backlight, 220 nits, 16.9 aspect ratio, 1001 contrast ratio, 60% Gamut

**Some:** 12.7mm thick, width 9.5mm, height 3.7mm. Active Protection System™

All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive

## Camera

HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

## Graphics

Intel HD Graphics 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;

Maximum external resolution: 2560x1600™@60Hz (DisplayPort via optional Mini DP cable); 1920x1200™@75Hz (VGA)

## Keyboard

6-row, 84-key, ThinkVantage button, spill-resistant, multimedia F keys, optional LED backlight TrackPoint™ pointing device, "Press-to-Select," Internet Scroll Bar™, magnifying glass

**TouchPad™**

Wide touchpad below keyboard, Tap Zones, scrolling, multi-touch

**ThinkLight™**

Illuminates the keyboard to improve visibility in low-light conditions

## Dimensions

15.6"W (396mm), 12.7mm thick, width 9.5mm, height 3.7mm. Active Protection System™

**Weight**

12.7mm thick, width 9.5mm, height 3.7mm. Active Protection System™

**Battery life**

Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication

6-cell (57Whr) up to 15.3 hr; 9-cell plus 9-cell Slice battery (94Whr, 0A36304): up to 30.6 hr

## Chipset

Mobile Intel® QM77 Express Chipset

## ExpressCard

One slot (ExpressCard/34)

## Smart Card Reader

None

## Multicard Reader

1 slot (MMC, SD, SDHC, SDXC)

## Ports

Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

## PCle Mini Card

Two PCI Express Mini Card slots

## PCle WLAN

11a/b/g/n, PCle Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2

## PCle WWAN

Wireless WAN upgradable

## SIM card

None

## Modern

None

## IEEE 1394

None

## Bluetooth

4.0 wireless

## Ethernet

Intel 82579LM Gigabit Network Connection (Lewisville), PHY PCle x1

## Intel AMT

None

## Audio support

HD Audio, Realtek® ALC2602 codec, Dolby® Audio (2 stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack)

## Security

Power-on password, hard disk password, security keyhole

## Security chip

Trusted Platform Module, TCG 1.2-compliant

## Fingerprint reader

Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip

## Preloaded operating system

- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- Some: Windows 8 Pro 64-bit

## Preloaded applications

- Windows 7 models
  - Windows Message Center Plus
  - ThinkVantage Product Recovery
  - Access Connections™
  - ThinkVantage Power Manager
  - Lenovo SimpleTap
  - Adobe® Reader
  - Windows Live® Essentials
  - Corel® WinDVD® (DVD:RW)
  - Corel DVD MovieFactory® Lenovo Edition (DVD:RW)
- Windows 8 models
  - Lenovo Support
  - Lenovo Companion
  - Lenovo QuickLaunch
  - AccuWeather
  - PC Device Stage
  - Cyberlink Power2Go (DVD:RW)
  - Cyberlink PowerProducer (DVD:RW)
- All models
  - Lenovo Solution Center
  - Password Manager
  - ThinkVantage System Update
  - FingerPrint Software (fingerprint models)
  - Lenovo Cloud Storage by SugarSync
  - Microsoft® Office preloaded: product key to activate
  - Norton™ Internet Security
  - (30 days of virus definitions)

See footnotes for more detailed information

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</table>

Preloaded operating system: Genuine Windows 7 Professional 64

Ready to install applications: (only some listed)
- Rescue and Recovery
- Password Manager

Preloaded applications: (only some listed)
- Lenovo Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections
- fingertip Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded;
- purchase a product key to activate
- Norton™ Internet Security 2012
- (30 days of virus definitions)
- Adobe® Reader
- Skype® for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live Essentials
- Corel® WinDVD® (DVD+RW)
- Corel® Burn.xNow™ Lenovo Edition (DVD+RW)
- Corel® DVD MovieFactory™ Lenovo Edition (DVD+RW)

Limited warranty: 1-year battery, limited onsite service: 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available

See footnotes for more detailed information © Lenovo (G-KN4-6) August 2013
### Product Specifications Reference (PSREF)

#### ThinkPad T530 2429 (Optimus) - Onsite - II

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<th>Wide-screen display</th>
<th>Disk Sata</th>
<th>Backlit keyboard</th>
<th>PCIe Mini Card</th>
<th>PCIe Mini Card WWAN</th>
<th>SIM card</th>
<th>Smart Card Reader</th>
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</table>

#### Positioning

- **Processor**: Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology

#### Memory

- 16GB max / PC3-12800 1600MHz DDR3, non-parity, dual-channel, 667 MHz SO-DIMM sockets
- * System automatically clocks down for processors with 1333MHz DDR3 memory controller

#### Optical

- DVD burner, 12.7mm Ultrabay Enhanced, removable
- One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access
- Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high
- HDD / SDD 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System
- All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive

#### Widescreen display

- **Some**: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
- **Some**: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
- **Some**: 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut

#### Graphics

- NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA NVS® 5400M, PCI Express® x16, 1GB memory
- Supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort
- Supports three independent displays:
  - Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)

#### Keyboard

- 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
- TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar®, magnifying glass
- UltraNav® wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
- Illuminates the keyboard to improve visibility in low-light conditions

#### Dimensions

- 15.6W" (Wy:Dh): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm

#### Weight

- 6-cell: starting at 5.73 lb (2.60kg); 9-cell: starting at 6.10 lb (2.77kg)

#### Case material

- **Display cover**: Carbon-fiber / Glass-fiber hybrid;
- **Bottom**: Glass-fiber reinforced plastic without paint

#### Battery

- **Lithium Ion 6-cell or 9-cell, supports optional Slic battery as 2nd battery, HW Authentication**
- **Battery life**: 6-cell (57Whr): up to 7.7 hr; 9-cell (94Whr): up to 12.8 hr; 9-cell plus 9-cell Slic battery (94Whr): up to 25.6 hr

#### Chipset

- Mobile Intel GM77 Express Chipset
- ExpressCard (ExpressCard/34)
- Secure Multi Card Reader 4-in-1 reader (MMC, SD, SDHC, SDXC)

#### PCIe Mini Card Ports

- Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)
- Two PCI Express Mini Card slots
- Two PCI Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
- Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Ultimate-N 6300, 3x3

#### SIM card

- Some: Wireless WAN, Ericsson® HS321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS

#### Security

- **Secure vProMemory (G-KN4-7) August 2013**
- **ENERGY STAR® Gold rating**
- **EPEAT® Gold rating**

#### Preloaded applications

- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- FingerPrint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded;
- some listed:
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype® for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD:RW)
- Corel® DVD MovieFactory® Lenovo Edition (DVD:RW)

#### Preloaded operating system

- Genuine Windows® 7 Professional 64

#### Ready to install applications

- some listed:
- Rescue and Recovery™
- Password Manager

#### Limited warranty

- 3-years/1-year battery, limited onsite service: 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available

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See footnotes for more detailed information

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(G-KN4-7) August 2013
## ThinkPad T530 2429 (Optimus) - Onsite (Windows 8)

### Product Specifications Reference (PSREF)

#### Type-model: Processor Memory Wide-screen display Disk SATAGB rpm Backlit PCIe Mini Card PWAN mSATAMemory Smart Battery Reader cells Power Adapter Intel Global (G) AMT vPro Limitations

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<th>Memory</th>
<th>Wide-screen display</th>
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<td>i7-3630QM</td>
<td>4GBx2</td>
<td>15.6&quot; FHD</td>
<td>Backlit</td>
<td>6205</td>
<td>Ericsson</td>
<td>selectable</td>
<td>None</td>
<td>9</td>
<td>135W</td>
<td>No</td>
<td>No</td>
<td>Win7 Pro64 10/12</td>
<td></td>
</tr>
</tbody>
</table>

### Positioning Processor

- **Intel Core™ i3-3210M processor** (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000 DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
- **Intel Core™ i7-3520M processor** (2 cores, 2.90GHz, 4MB cache)
- **Intel HD Graphics 4000 DDR3 memory controller** (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
- **Intel HD Graphics 4000 DDR3 memory controller** (up to 1600MHz), Intel Turbo Boost 2.0 (3.40GHz), HT technology

### Memory

- 16GB max
- Dual-channel capable, two 204-pin SO-DIMM sockets
- System automatically clocks down for processors with 1333MHz DDR3 memory controller

### Optical Ultrabay

- DVD burner, 12.7mm Ultrabay Enhanced, removable
- One slot for removable devices, Ultrabay Suitable, 12.7mm high, bottom access
- Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high
- Some: HDD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™
- All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive
- None

### Widescreen display

- 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
- 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
- 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut

### Camera

- HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

### Graphics

- NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA NVS® 5400M, Intel Express® x16, 1GB memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;
- Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@75Hz (single-core E8400) / 1366x768@60Hz (single-core E8300) / 1280x1024@75Hz (single-core E8200) / 1280x720@60Hz (single-core E8100) / 1280x720@75Hz (single-core E8000); 2048x1536@60Hz (VGA)
- Some: USB 3.0, two USB 2.0 (one powered)

### Keyboard

- 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
- TrackPoint® pointing device, “Press-to-Select,” Internet Scroll Bar®, magnifying glass
- UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
- Illuminates the keyboard to improve visibility in low-light conditions

### Dimensions

- 15.6" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm
- Starting at 6.10 lb (2.77kg)

### Weight

- 2429-6IG 3-year limited warranty
- 2429-6EG 3-year limited warranty
- 2429-6IG 3-year limited warranty
- 2429-6EG 3-year limited warranty
- 2429-6IG 3-year limited warranty
- 2429-6EG 3-year limited warranty

### Chipset

- Mobile Intel GM77 Express Chipset
- One slot (ExpressCard/34)
- Some: Smart Card reader
- Some: Memory card reader
- Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

### Sim card

- None
- None
- None

### Power Adapter

- 90W or 135-watt AC adapter
- ThinkPad Roll Cage (one-piece magnesium alloy)
- EPEAT® Gold rating
- ENERGY STAR® 5.0-compliant
- GREENGUARD® certified
- RoHS-compliant

### Warranty

- International Warranty Service
- Some: 24 hour x 7 days toll-free support during the warranty period
- 9-15 days of virus definitions

See footnotes for more detailed information

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ThinkPad T530 2429 (Optimus) - Onsite (Windows 8) - II

Product Specifications Reference (PSREF)

Type-model          Processor                Memory             Wide-screen display          Disk         SATA       GB          rpm         Backlit       Card         Mini Card        WWAN       SIM card          Smart Card Reader       Finger print reader        Battery cells        Power Adapter       Intel watt       vPro       Preload       Ann Date
2429-82G i5-3230M    4GBx1                  15.6" HD+           500G 7200                  Backlit       6205®       Ericsson         selectable  Smart Finger  6  90W  No Win8 Pro64 06/13
2429-7ZG i5-3230M    4GBx1                  15.6" HD+           500G 7200                  Backlit       6205®       Ericsson         selectable  Smart Finger  6  90W  No Win7 Pro64 03/13
2429-7YG i5-3230M    8GBx1                  15.6" FHD            240G FDE SSD               Backlit       6205®       Ericsson         selectable  None         Finger       6  135W  No Win8 Pro64 03/13
2429-8AG i5-3230M    4GBx1                  15.6" HD+           500G 7200                  Backlit       6205®       Ericsson         selectable  None         9W          90W  No Win8 Pro64 06/13
2429-89G i5-3230M    4GBx1                  15.6" HD+           500G 7200                  Backlit       6205®       Ericsson         selectable  Smart Finger  6  90W  No Win7 Pro64 06/13

Positioning
Processor          Premiere performance; two spindles

Memory
16GB max / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
 * System automatically clocks down for processors with 1333MHz DDR3 memory controller

Optical
Ultradyn SATA disk
One bay for removable devices, Ultradyn Slim-compatible, 12.7mm high, bottom access

mSATA® SSD
None

Wide-screen display
Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16.9 aspect ratio, 50:1 contrast ratio, 60% Gamut
Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16.9 aspect ratio, 50:1 contrast ratio, 60% Gamut
Some: 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16.9 aspect ratio, 50:1 contrast ratio, 95% Gamut

Camera
HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

Graphics
NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA NVS™ 5400M, PCI Express® x16, 1GB memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;

Keyboard
6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight

Touchpad
ThinkLight™ illuminated the keyboard to improve visibility in low-light conditions

Dimensions

Weight
15.6W" (401mm) x 9.95" x 1.25-1.40", 372.8mm x 245.1mm x 31.8-35.6mm
6-cell: starting at 5.73 lb (2.60kg); 9-cell: starting at 6.10 lb (2.77kg)

Display cover
Carbon-fiber / Glass-fiber hybrid;

Battery - type
Lithium ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication

Battery - life
6-cell (57Whr): up to 7.7 hr; 9-cell (94Whr): up to 12.8 hr; 9-cell plus 9-cell Slice battery (94Whr, 0A36304): up to 25.6 hr

Chipset
Mobile Intel QM77 Express Chipset

ExpressCard
One slot (ExpressCard/34)

Smart Card reader
Some: Smart Card reader

Multicard Reader
4-in-1 reader (MMC, SD, SDHC, SDXC)

USB Ports
Two USB 3.0, two USB 2.0 (1 powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)

PCle Mini Card
Two PCI Express Mini Card slots

PCle WLAN
11a/b/g/n, PCie Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2

PCle WWAN
Wireless WAN, Ericsson® HS21gw Mobile Broadband Module, PCie Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS

SIM card
User selectable, contract required with service provider

Modern
None

IEEE 1394
IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)

Bluetooth™
Bluetooth 4.0 wireless

Ethernet
Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCie x1

Intel AMT
None

Audio support
HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume down, mute buttons / dual array mic, mic mute button, combo audio/mic jack

Security
Power-on password, hard disk password, supervisor password, security keyhole

Security chip
Trusted Platform Module, TCG 1.2-compliant

Fingerprint reader
Author: BioSecure reader on palm rest, swivel sensor, LED indicator

Limited warranty17
3-years/1-year battery, limited onsite service2

Preloaded operating system10
- Some: Windows® 7 Professional 64 bit
downgrade rights in Windows 8 Pro 64-bit
- Some: Windows 8 Pro 64-bit

Preloaded applications3 (only some listed)
- Windows 7 models
- Lenovo® Message Center Plus
- ThinkVantage Product Recovery
- Access Connections4
- ThinkVantage Power Manager
- Lenovo S90 SimpleTap
- Adobe® Reader®
- Windows Live™ Essentials
- Corel® WinDVD® (DVD:RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD:RW)

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo QuickLaunch
- AccuWeather
- PC Device Stage
- Cyberlink Power2Go (DVD:RW)
- Cyberlink PowerProducer (DVD:RW)

- All models
- Lenovo Solution Center
- Password Manager
- ThinkVantage System Update
- FingerPrint Software (fingerprint models)
- Lenovo Cloud Storage by SugarSync
- Microsoft® Office preloaded; purchase a product key to activate
- Norton® Internet Security (30 days of virus definitions)

See footnotes for more detailed information © Lenovo (G-KN4-15) August 2013
Positioning
Processor Intel® Core™ i3-2370M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology
Memory 16GB max\(^1\) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
Optical Ultrabay One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access
SATA disk DVD burner, 12.7mm Ultrabay Enhanced, removable
Widescreen display Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, 60% Gamut
Camera HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics Intel HD Graphics 3000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;
Dimensions\(^2\) 15.6W" (WXDH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm
Weight\(^3\) 5.39 lb (2.45kg)
Battery - type Lithium Ion 6-cell or 9-cell, supports optional Slice battery as second disk, Shock Mounted Hard Drive
Battery - life\(^3\) 9-cell (94Whr): up to 9.1hr; 6-cell (57Whr): up to 15.3hr; 9-cell plus 9-cell Slice battery (94Whr): up to 30.6hr
Chipset Mobile Intel GM77 Express Chipset
ExpressCard One slot (ExpressCard/34)
Smart Card Reader None
Multicard Reader 4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)
PCIe Mini Card Two PCI Express Mini Card slots
PCIe WLAN\(^4\) 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2
PCIe WWAN None
SIM card None
Modem None
IEEE 1394 None
Bluetooth™ None
Ethernet Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Audio support HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio® v2 / stereo speakers, 1W x 2 /
volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security Power-on password, hard disk password, supervisor password, security keyhole
Security chip Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Warranty 3-years/1-yr battery - depot repair service / service upgrades available
See footnotes for more detailed information © Lenovo (G-KN4i-1) June 2012

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
- A depot repair service 3-year limited warranty

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**Type-model** | **Processor** | **Memory** | **Wide-screen display** | **Camera** | **Disk** | **SATA GB** | **rpm** | **Backlit key-board** | **PCle Mini Card** | **PCle Mini Card WWAN** | **Finger print reader** | **Battery cells** | **Intel AMT** | **Preload** | **Ann Date (mmyy)**
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
2392-39G | i3-2370M | 4GBx1 | 15.6" HD | 720p | 320G | 7200 | Backlit | Intel 2200 | WWAN upg | None | Finger | BT | 6 | None | Pro 64 | 06/12
ThinkPad T530i 2392 (TopSeller) - Windows 8

Product Specifications Reference (PSREF)

Type-model | Processor | Memory | Widescreen display | Camera | Disk SATA | Controller | Backend key-board | PCIe Mini Card | PCIe Mini Card | Finger print reader | Battery | Preload | Ann Date
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
2392-AHG | i3-3110M | 4GBx1 | 15.6" HD | 720p | 500GB | 7200 | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-WG | i3-3110M | 4GBx1 | 15.6" HD | 720p | 7200 | 500GB | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-CMG | i3-3120M | 4GBx1 | 15.6" HD+ | 720p | 7200 | 500GB | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-ENG | i3-3120M | 4GBx1 | 15.6" HD+ | 720p | 7200 | 500GB | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-EMG | i3-3120M | 4GBx1 | 15.6" HD+ | 720p | 7200 | 500GB | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-AGH | i3-3110M | 4GBx1 | 15.6" HD | 720p | 500GB | 7200 | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-ENG | i3-3120M | 4GBx1 | 15.6" HD+ | 720p | 7200 | 500GB | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13
2392-EMG | i3-3120M | 4GBx1 | 15.6" HD+ | 720p | 7200 | 500GB | Backlit | Intel 2200 | WWAN upg | Finger | BT | 6 | None | 03/13

Preloaded operating system:
- Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- Some: Windows 8 Pro 64-bit

Preloaded applications:
- Windows 7 models
- Lenovo® Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage Power Manager
- Lenovo SimpleTap
- Adobe® Reader®
- Windows Live™ Essentials
- Corel® WinDVD® (DVD:RW)
- Corel DVD MovieFactory™ Lenovo Edition (DVD:RW)

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo QuickLaunch
- AccuWeather
- PC Device Stage
- CyberLink Power2Go (DVD:RW)
- CyberLink PowerProducer (DVD:RW)

- All models
- Lenovo Solution Center
- Password Manager
- ThinkVantage System Update
- Fingerprint Software (fingerprint models)
- Lenovo Cloud Storage by SugarSync
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

See footnotes for more detailed information

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(G-KN4i-2) June 2013