



Lenovo ThinkPad T530



Lenovo ThinkPad T530



Lenovo ThinkPad T530



#### ThinkPad T530 2392 (TopSeller)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>8</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Car WWAN /mSATA	d SIM card	Finger print reader	Blue-		Intel vPro	Preload(	Ann Date mm/yy)
2392-38G	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Backlit	Intel 620528	WWAN upa	None	Finger	BT	6	None	Pro 64	06/12

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

Positioning Processor	Premiere performance; two spindles Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000,	Preloaded operating system <sup>20</sup> Genuine Windows® 7
Memory	DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology  16GB max <sup>7</sup> / 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	Professional 64  Ready to install applications¹⁴ (only some listed)  • Rescue and Recovery™
Optical Ultrabay SATA disk mSATA™ SSD	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 6.0Gb/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	Preloaded applications <sup>14</sup> (only some listed) Lenovo® Solution Center Lenovo Message Center Plus ThinkVantage Product Recovery
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	Access Connections™     Fingerprint Software (fingerprint models)     ThinkVantage System Update     ThinkVantage Power Manager     Lenovo Cloud Storage
Camera Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	by SugarSync • Lenovo SimpleTap • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security 2012 (30 days of virus definitions)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> <li>Evernote®</li> <li>Intel Small Business Advantage</li> <li>RapidBoot HDD Accelerator</li> </ul>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 6-cell: starting at 5.39 lb (2.45kg); 9-cell: starting at 5.76 lb (2.62kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Bottom: Glass-fiber reinforced plastic without paint Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication 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	<ul> <li>Symantec™ VIP</li> <li>Windows Live™ Essentials</li> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> </ul>
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34)	
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable None	
Modem IEEE 1394	None None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support	Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 None 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 Power-on password, hard disk password, supervisor password, security keyhole	90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified
	Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip  2 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

# ThinkPad T530 2392 (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide- screen display	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Smart Card Reader	Finger print reader	tery	Intel AMT	Intel vPro	Preload	Ann Date (mm/yy)
2392-AWG	i5-3320M	4GBx1	15.6" HD+	500G 7200	None	Intel 620528	WWAN upg	Smart	Finger	6	iAMT	vPro	Win7 Pro64	10/12
2392-AUG	i5-3210M	4GBx1	15.6" HD	500G 7200	None	Intel 6205	WWAN upg	Smart	Finger	6	None	None	Win7 Pro64	10/12
2392-EKG	i3-3120M	4GBx1	15.6" HD+	180G SSD	Backlit	Intel 6205	WWAN upg	None	None	6	None	None	Win8 Pro64	06/13
2392-EJG	i3-3120M	4GBx1	15.6" HD+	180G SSD	Backlit	Intel 6205	WWAN upg	None	None	6	None	None	Win7 Pro64	06/13
2392-EHG	i3-3120M	4GBx1	15.6" HD	500G 7200	Backlit	Intel 2200	WWAN upg	None	None	6	None	None	Win8 Pro64	06/13
2392-EGG	i3-3120M	4GBx1	15.6" HD	500G 7200	Backlit	Intel 2200	WWAN upg	None	None	6	None	None	Win7 Pro64	06/13

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

Positioning Processor	Premiere performance; two spindles Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Hyper-Threading technology 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	Preloaded operating system <sup>20</sup> - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications <sup>5</sup> (only some
Memory	16GB max <sup>7</sup> / 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	listed) - Windows 7 models
Optical Ultrabay SATA disk mSATA™ SSD	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 6.0Gb/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	<ul> <li>Lenovo® Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> </ul>
Widescreen display	None  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  HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	<ul> <li>Windows Live™ Essentials</li> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> <li>Windows 8 models</li> </ul>
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@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	Lenovo Support Lenovo Companion Lenovo QuickLaunch AccuWeather PC Device Stage Cyberlink Power2Go (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Cyberlink PowerProducer (DVD±RW)     All models     Lenovo Solution Center
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 6-cell: starting at 5.39 lb (2.45kg); 9-cell: starting at 5.76 lb (2.62kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Bottom: Glass-fiber reinforced plastic without paint Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication 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	<ul> <li>Password Manager</li> <li>ThinkVantage System Update</li> <li>Fingerprint Software (fingerprint models)</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>Microsoft® Office preloaded;</li> </ul>
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) I Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	<ul> <li>purchase a product key to activate</li> <li>Norton™ Internet Security (30 days of virus definitions)</li> </ul>
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2 Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Advanced-N 6205, 2x2 Wireless WAN upgradable None	
Modem IEEE 1394	None None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reade	None Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1  Some: Intel Active Management Technology (iAMT) 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	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 Service¹7 24 hour x 7 day¹8 toll-free support
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

#### ThinkPad T530 2392 (Optimus) - TopSeller

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	I SIM card	print	Bat- tery Int cells vP		Preload (	Ann Date mm/yy)
2392-37G	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Backlit	Intel 62052	8 Fricsson	selectable	Finger	6 No	ne	Pro 64	06/12

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
   A depot repair service 3-year limited 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	Preloaded operating system <sup>20</sup> Genuine Windows® 7 Professional 64
Memory	16GB max <sup>7</sup> / 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	Ready to install applications¹⁴ (only some listed)  • Rescue and Recovery™
Optical Ultrabay SATA disk mSATA™ SSD	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 6.0Gb/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	<ul> <li>Password Manager</li> <li>Preloaded applications<sup>14</sup> (only some listed)</li> <li>Lenovo® Solution Center</li> <li>Lenovo Message Center Plus</li> <li>ThinkVantage Product Recovery</li> </ul>
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	<ul> <li>Access Connections™</li> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</li> <li>Lenovo Cloud Storage</li> </ul>
Camera Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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; 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)	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®
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>Intel Small Business Advantage</li> <li>RapidBoot HDD Accelerator</li> <li>Symantec™ VIP</li> <li>Windows Live™ Essentials</li> </ul>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" 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; Bottom: Glass-fiber reinforced plastic without paint 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	<ul> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> </ul>
	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) I Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS User selectable, contract required with service provider	
Modem IEEE 1394	None IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support	Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 None HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 /	90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame)
Security Security chip	volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day¹8 toll-free support
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

#### ThinkPad T530 2392 (Optimus) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide- screen display	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCle Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Smart Card Reader	Finger print reader	Bat- tery cells		Intel vPro	Preload	Ann Date (mm/yy)
2392-AYG	i7-3520M	4GBx2	15.6" FHD	500G 7200	None	Intel 6205 <sup>28</sup>	WWAN upg	Smart	Finger	9	iAMT	vPro	Win7 Pro64	10/12
2392-AXG	i7-3520M	4GBx2	15.6" HD+	1T 5400	None	Intel 6205	WWAN upg	Smart	Finger	9	iAMT	vPro	Win7 Pro64	10/12
2392-AVG	i5-3320M	4GBx1	15.6" HD	500G 7200	None	Intel 6300 <sup>28</sup>	WWAN upg	Smart	Finger	6	iAMT	vPro	Win7 Pro64	10/12
2392-ATG	i5-3210M	4GBx1	15.6" HD+	500G 7200	None	Intel 6205	WWAN upg	None	Finger	6	None	None	Win7 Pro64	10/12

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
   A depot repair service 3-year limited 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 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 <sup>20</sup> Windows® 7 Professional 64     preinstalled through     downgrade rights in     Windows 8 Pro 64-bit      Preloaded applications <sup>5</sup> (only some listed)
Memory	16GB max <sup>7</sup> / 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	- Windows 7 models - Lenovo® Message Center Plus
Optical Ultrabay SATA disk mSATA™ SSD	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 6.0Gb/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	ThinkVantage Product Recovery     Access Connections™     ThinkVantage Power Manager     Lenovo SimpleTap     Adobe® Reader®     Windows Live™ Essentials     Corel® WinDVD® (DVD±RW)
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	Corel Burn.Now™ Lenovo Edition (DVD±RW)     Corel DVD MovieFactory® Lenovo Edition (DVD±RW)     Windows 8 models     Lenovo Support
Camera Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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;  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)	Lenovo Companion     Lenovo QuickLaunch     AccuWeather     PC Device Stage     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer     (DVD±RW)     All models
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Lenovo Solution Center     Password Manager     ThinkVantage System Update     Fingerprint Software (fingerprint
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" 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; Bottom: Glass-fiber reinforced plastic without paint 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	models)  • Lenovo Cloud Storage by SugarSync  • Microsoft® Office preloaded; purchase a product key to activate  • Norton™ Internet Security (30 days of virus definitions)
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card	Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2  Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Ultimate-N 6300, 3x3  Wireless WAN upgradable None	
Modem IEEE 1394	None IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip	Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1  Some: Intel Active Management Technology (iAMT) 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	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
Limited warranty <sup>12</sup>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

#### ThinkPad T530 2394

			Wide- screen		Disk SATA	Backlit key-	PCIe Po Mini Card	Cle Mini Car WWAN /		Finger print		Bat- tery		GI Intel	obal GMF		Ann Date
Type-model	Processor	Memory	display	Camera	GB <sup>®</sup> rpm	boárd	WLAN	mSATA	Reader					vPro	(P)	Preload	(mm/yy)
2394-5UG	i5-3320M	4GBx1	15.6" HD+	720p	180G SSD	None	Intel 6205	<sup>28</sup> upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-5VG	i5-3320M	4GBx1	15.6" HD+	720p	128G SSD	None	Intel 6205	upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-5YG	i7-3520M	4GBx1	15.6" HD+	720p	500G 7200	None	Intel 6205	upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-62G	i5-3320M	4GBx1	15.6" HD+	720p	500G 7200	None	Intel 6205	upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-63G	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	None	Intel 6205	upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-64G	i5-3320M	4GBx1	15.6" HD	None	320G 7200	None	Intel 6205	upg	Smart	None	No	9	iAMT	vPro	G	Pro 64	06/12
2394-23G	i7-3520M	4GBx1	15.6" HD	720p	500G 7200	None	Intel 6205	upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-22G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	None	Intel 6205	upg	None	Finger	BT	6	iAMT	vPro	G	Pro 64	06/12
2394-70G	i5-3320M	4GBx1	15.6" HD+	720p	320G 7200	None	Intel 6205	upg	Smart	Finger	BT	6	iAMT	vPro	G	Pro 64	07/12
2394-7DG	i5-2520M	4GBx1	15.6" HD+	720p	500G 7200	None	Intel 6205	upg	None	Finger	BT	6	None	No		Pro 64	10/12
2394-7HG	i5-2520M	4GBx1	15.6" HD	720p	320G 7200	None	Intel 6205	upg	None	Finger	BT	6	None	No		Pro 64	10/12

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

Positioning Processor	Premiere performance; two spindles 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 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 <sup>20</sup> Genuine Windows® 7 Professional 64 Ready to install applications¹⁴ (only some listed) • Rescue and Recovery™
Memory	16GB max <sup>7</sup> / 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	Password Manager     Preloaded applications <sup>14</sup> (only some listed)
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 6.0Gb/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	Lenovo® Solution Center     Lenovo Message Center Plus     ThinkVantage Product Recovery     Access Connections™     Fingerprint Software (fingerprint models)
mSATA™ SSD Widescreen display	None  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	ThinkVantage System Update ThinkVantage Power Manager Lenovo Cloud Storage by SugarSync Lenovo SimpleTap Microsoft® Office preloaded; purchase a product key to activate
Camera Graphics	Some: HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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 display; Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	Norton™ Internet Security 2012     (30 days of virus definitions)     Adobe® Reader®     Skype™ for Windows     Evernote®     Intel Small Business Advantage     ParidRest UDD Applicators
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	RapidBoot HDD Accelerator     Symantec™ VIP     Windows Live™ Essentials     Corel® WinDVD® (DVD±RW)     Corel Burn.Now™ Lenovo Edition
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 6-cell: starting at 5.39 lb (2.45kg); 9-cell: starting at 5.76 lb (2.62kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Bottom: Glass-fiber reinforced plastic without paint Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication 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	(DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable None	
Modem IEEE 1394	None None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reader	Some: Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCle x1 Some: Intel Active Management Technology (iAMT) 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	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 Service¹7 24 hour x 7 day¹8 toll-free support
Limited warranty <sup>12</sup>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

# ThinkPad T530 2394 (Windows 8)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Finger print reader			Intel			Ann Date (mm/yy)
2394-42G	i7-3520M	4GBx1	15.6" HD+	720p	500G 7200	None	Intel 6205 <sup>28</sup>	WWAN upg	Finger	BT	6	vPro	G	Win8 Pro64	10/12
2394-43G	i5-3320M	4GBx1	15.6" HD+	720p	180G SSD	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G	Win8 Pro64	10/12
2394-44G	i5-3320M	4GBx1	15.6" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G	Win8 Pro64	10/12
2394-45G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G	Win8 Pro64	10/12

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

Positioning Processor	Premiere performance; two spindles 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 <sup>20</sup> - Windows® 8 Pro 64-bit Preloaded applications <sup>5</sup> (only some listed)
Memory	16GB max <sup>7</sup> / 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	Windows 7 models     Lenovo® Message Center Plus     ThinkVantage Product Recovery
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 6.0Gb/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	Access Connections™     ThinkVantage Power Manager     Lenovo SimpleTap     Adobe® Reader®     Windows Live™ Essentials     Corel® WinDVD® (DVD±RW)
mSATA™ SSD	None	<ul> <li>Corel Burn.Now™ Lenovo Edition</li> </ul>
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, 16:0 aspect ratio, 500:1 contrast ratio, 60% Gamut Some: 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:0 aspect ratio, 500:1 contrast ratio, 60% Gamut	(DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Windows 8 models • Lenovo Support
Camera	270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	Lenovo Companion
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@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	Lenovo QuickLaunch     AccuWeather     PC Device Stage     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>All models</li> <li>Lenovo Solution Center</li> <li>Password Manager</li> <li>ThinkVantage System Update</li> </ul>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 6-cell: starting at 5.39 lb (2.45kg); 9-cell: starting at 5.76 lb (2.62kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Bottom: Glass-fiber reinforced plastic without paint Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication 6-cell (57Whr): up to 9.1 hr; 9-cell (94Whr): up to 15.3 hr; 9-cell plus 9-cell Slice battery (94Whr, 0A36304): up to 30.6 hr	<ul> <li>Fingerprint Software (fingerprint models)</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>Norton™ Internet Security</li> </ul>
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	(30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable None	
Modem IEEE 1394	None None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip	Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCle x1 Intel Active Management Technology (iAMT) 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator,	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 Service¹7
Limited warranty <sup>12</sup>	Power On Authentication, supports the security chip  2 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

# ThinkPad T530 2394 (Optimus)

Type-model Proces	sor Memory	Wide- screen display	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Smart Card Reader		tery	Intel AMT	Intel		,	Ann Date mm/yy)
2394-5RG i7-352	0M 4GBx1	15.6" FHD	180G SSD	None	Intel 62052	<sup>8</sup> WWAN upg	None	None	Finge	r <b>9</b>	iAMT	vPro	G	Pro 64	06/12
2394-5TG i7-352				None	Intel 6205	WWAN upg	None	None						Pro 64	
2394-5WG i7-352					Intel 6205	WWAN upg	None	None	Finge		iAMT			Pro 64	
2394-5XG i7-352					Intel 6205 Intel 6205	WWAN upg	None	None				vPro	_	Pro 64 Pro 64	
2394-5ZG i5-332 2394-61G i5-332					Intel 6205	WWAN upg	None None	None None	Finge					Pro 64	
2394-65G i5-332					Intel 6205	WWAN upg	None		Finge					Pro 64	
2394-7GG i5-252					Intel 6300 <sup>2</sup>		selectable				None			Pro 64	
2394-7FG i5-252				None		WWAN upg	None	None						Pro 64	
2394-7EG i5-252	OM 4GBx1	15.6" HD+	500G 7200	Backlit	Intel 6205	Ericsson	selectable	Smart	Finge	r <b>9</b>	None	No		Pro 64	10/12
Positioning Processor	Intel® Core DDR3 mem Intel Core i DDR3 mem Intel Core i	™ i5-2520M lory controll i5-3320M pi lory controll i7-3520M pi	er (up to 1333 rocessor (2 o er (up to 1600 rocessor (2 o	2 cores BMHz), I cores, 2 DMHz), I cores, 2	Intel Turbo E .60GHz, 3M Intel Turbo E .90GHz, 4M	3MB cache), I 3oost 2.0 (3.20 IB cache), Inte 3oost 2.0 (3.30 IB cache), Inte 3oost 2.0 (3.60	GHz), HT te el HD Graph GHz), HT te el HD Graph	echnolog nics 400 echnolog nics 400	3000,   ( 3y   1 00,   1 3y   (	Genui Profes <b>Ready</b> some • Res	ne Wir ssional	idows <sup>®</sup> 64 <b>stall a<sub>l</sub></b> nd Rec	pplication	ystem² ations¹	
Memory	dual-channe	el capable, t	00 1600MHz [ two 204-pin S clocks down	O-DIMN	/I sockets	1333MHz DDI	R3 memory	controlle	er	Preloa listed)	aded a	pplica	tions	s <sup>14</sup> (only	some
Optical			Itrabay Enhai			. 500 12 001	.5omory	20			ovo® S		_		
Uİtrabay	One bay for	removable	devices, Ultra	abay Slii	m-compatib	le, 12.7mm hig	h, bottom a	ccess						ter Plus t Recov	
SATA disk	Some: Soli	d State Driv	/e (SSD) / SA	TA 6.0G	b/s, 2.5" wi	de, 7mm high	rotootion Cur	MT.com.			ess Co				.,
						high, Active Pi sk, Shock Mou			'			t Softw	are (	fingerp	rint
mSATA™ SSD	None	.0142.0, 429	,, сар		, , , , , , , , , , , , , , , , , , , ,	,,, 000					dels) nkVanta	age Sv	/stem	Update	э
Widescreen display	220 Some: <b>15.</b> 0	nits, 16:9 a <b>3</b> " (396mm)	spect ratio, 5 <b>HD+ (1600x</b> !	00:1 cor <b>900) co</b> l	ntrast ratio, I <b>or</b> , anti-gla	re, LED backlig	•		'	<ul><li>Thir</li><li>Len</li><li>by S</li></ul>	nkVanta ovo Cla SugarS	age Po oud St sync	wer Norage	Manage	
			spect ratio, 5 Full HD (192			i-glare, LED ba	acklight.				ovo Sii rosoft®			oaded:	
			spect ratio, 5				zoruigiri,							y to ac	tivate
Camera	HD720p res	solution, wid	le view angle,	low ligh	nt sensitive,	face tracking,	fixed focus		'					urity 20	12
Graphics	Intel HD Gr NVIDIA NVS supports ex supports th Maximum e	raphics 300 S™ 5400M, tternal analo ree indepen external reso	00 or 4000 in p PCI Express or monitor via dent displays colution: 2560	orocess x16, <b>1</b> 0 VGA D ; (1600@	or, and <b>GB</b> memory B-15 and di 60Hz (Disp	screte and inter gital monitor vi layPort via opti cable); 2048	a Mini Displ	ayPort; P cable)	);	<ul><li>Àdo</li><li>Sky</li><li>Eve</li><li>Inte</li><li>Rap</li><li>Syn</li></ul>	days obe® Repe™ for four form for formall small bidBooth antec idows I	eader® or Wind I Busin t HDD ™ VIP	lows less A Acce	Advanta lerator	ge
Keyboard TrackPoint® Touchpad ThinkLight™	TrackPoint® UltraNav™,	pointing dev	vice, "Press-to	o-Select /board.	:," Internet S Tap Zones,	media Fn keys Scroll Bar <sup>13</sup> , ma scrolling, multi conditions	ignifying gla		dight	<ul><li>Cor</li><li>Cor</li><li>(DV</li></ul>	el® Wir el Burr D±RW	nDVD® n.Now <sup>†</sup> )	(DVE ™ Len	D±RW) novo Ed	
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material	6-cell: starti Display cov	ng at 5.73 ll <i>er:</i> Carbo	b (2.60kg); <i>9-</i> on-fiber / Glas	<i>cell:</i> staı ss-fiber	rting at 6.10 hybrid;		31.8-35.6mı	m		Edit	ion (D\	√D±RV	V)		
Battery - type Battery - life <sup>10</sup>	6-cell (57W	6-cell or 9-c'/hr): up to 7.	s-fiber reinford cell, supports 7 hr; <i>9-cell (9</i> coattery (94Wh	optional 4Whr): ι	Slice batte up to 12.8 h	ry as 2nd batte	ery, HW Auth	nenticati	ion						
Chipset			press Chipse												
ExpressCard	One slot (E:	xpressCard	(34)												
Smart Card Read				VO)											
Multicard Reader Ports	Two USB 3	o. two USR	י, סחחט, אט, פע, מטחט, איז מיסו 2.0 (one מט	ردر vered). ۱	/GA DB-15	Mini DisplayPo	ort, ethernet	(RJ-45	)						
PCIe Mini Card PCIe WLAN <sup>4</sup>	Two PCI Ex Some: 11a	press Mini ( /b/g/n, PCIe	Card slots Half Mini Ca	rd, Intel	Centrino® A	Advanced-N 62	05, 2x2	. (1.10 10	,						
PCIe WWAN	Some: Wire Some: Wire	eless WAN eless WAN,	upgradable Ericsson® H5	321gw	Mobile Broa	timate-N 6300 dband Module		Mini Car	rd,						
SIM card	Some: Use		VHSPA/HSPA e, contract req			provider									
Modem IEEE 1394			0 (4-pin conn	ector; 1	394a-2000	standard)			S	Suppo	rts Thii	nkVant	age®	techno	logies
Bluetooth™	Bluetooth 4		Naturali Can		/Ii:II-\	DLIV DOI:1					tt AC a				
Ethernet Intel AMT	Some Inte	∟ıvı Gıgabit I I Active Maı	Network Coni nagement Ted	chnology	(∟ewisville), / (iAMT\	PHY, PCle x1								e-piece	
Audio support	HD Audio, F	Realtek® AL	C3202 codec	, Dolby <sup>®</sup>	Advanced	Audio™ v2 / st				EPEÀ	gnesiur T™ Go	ld ratin	ıg		
Security	volume up,	aown, mute	buttons / dua	aı array ı vord	mic, mic mu pervisor pa	te button, com ssword, securi	bo audio/mi v kevhole	c jack		ENER	IGY ST	TAR® 5	.0-co	mpliant	
Security chip	Trusted Pla	tform Modul	le, TCG 1.2-c	omplian	t						NGUA -comp		ertifie	ed	
Fingerprint reader	AuthenTec Power On A	fingerprint re Authentication	eader on paln on, supports t	n rest, s ne secu	wipe senso rity chip					Intern 24 ho	ationál ur x 7 d	Warra day <sup>18</sup> to	oll-fre	ervice <sup>1</sup> e suppo	ort
Limited warranty <sup>12</sup>	<b>3-years</b> /1-y	r battery - d	epot repair se	ervice / s	service upgr	ades <sup>22</sup> availabl	е			duri	ng the	warrai	ητу ρε	eriodiz	
See footnotes for m	oro dotailad	information												0	Lenovo

# ThinkPad T530 2394 (Optimus) - Windows 8

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	Finger print reader	Bat- tery cells	G Intel vPro	lobal (6 GMP (P)	G) Preload	Ann Date (mm/yy)
2394-41G	i7-3520M	4GBx1	15 6" HD+	720n	500G 7200	None	Intel 620528	WWAN una	Finger	9	vPro	G	Win8 Pro64	10/12

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

Positioning Processor	Premiere performance; two spindles 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 <sup>20</sup> - Windows® 8 Pro 64-bit
Memory	16GB max <sup>7</sup> / 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	Preloaded applications <sup>5</sup> (only some listed) - Windows 7 models
Optical Ultrabay SATA disk mSATA™ SSD	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 6.0Gb/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	<ul> <li>Lenovo® Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> <li>Windows Live™ Essentials</li> </ul>
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	Corel® WinDVD® (DVD±RW)     Corel Burn.Now™ Lenovo Edition (DVD±RW)     Corel DVD MovieFactory® Lenovo Edition (DVD±RW)     Windows 8 models
Camera Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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;  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)	Lenovo Support     Lenovo Companion     Lenovo QuickLaunch     AccuWeather     PC Device Stage     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>All models</li> <li>Lenovo Solution Center</li> <li>Password Manager</li> <li>ThinkVantage System Update</li> </ul>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" 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; Bottom: Glass-fiber reinforced plastic without paint Lithium lon 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, 0A36304): up to 25.6 hr	<ul> <li>Fingerprint Software (fingerprint models)</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>Norton™ Internet Security</li> </ul>
Chipset ExpressCard Smart Card Reader Multicard Reader Ports PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) I None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45) Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable None	(30 days of virus definitions)
Modem IEEE 1394	None IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reade	Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCle x1 Intel Active Management Technology (iAMT) 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip  ² 3-years/1-yr battery - depot repair service / service upgrades²² available	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 period¹2
	grand, i. y. sattory deport repair convider for vice appraides available	adding the manarity period

# ThinkPad T530 2429 (Onsite)

Type-model Proce	ssor Memory	Wide- screen display	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCle Mini Card WLAN	PCIe Mini Caro WWAN /mSATA	I SIM card	Card	tery	Power Adapte (watt)		Intel		G) Preload (	Ann Date mm/yy)
2429-2WG i7-352				Backlit			selectable		6	90W			. ,	Pro 64	
2429-5UG i5-332				None	Intel 6205	WWAN upg	None	None	6	65W	IAMT	vPro	GΡ	Pro 64	06/12
2429-5VG i5-332				None	Intel 6205	WWAN upg		None	6					Pro 64	
2429-5YG i7-352					Intel 6205	WWAN upg		None	6					Pro 64	
2429-62G i5-332 2429-64G i5-332					Intel 6205	WWAN upg		None	6					Pro 64 Pro 64	
2429-2DG i5-332	20M 4GBx1 1 20M 4GBx1 1				Intel 6205 Intel 6205	WWAN upg Ericsson	selectable	None Smart		90W			GF	Pro 64	
	20M 4GBx1 1		500G 7200		Intel 6205	WWAN upg		None	6				GΡ	Pro 64	
2429-22G i5-332			320G 7200		Intel 6205	WWAN upg		None	6					Pro 64	
	20M 4GBx1 1		320G 7200	None	Intel 6205	WWAN upg	None	Smart	6	65W	iAMT	vPro	GΡ	Pro 64	07/12
	20M 4GBx1 1				Intel 6205	WWAN upg		None	6	65W				Pro 64	
2429-73G i5-25	20M 4GBx1 1	15.6" HD	320G 7200	None	Intel 6205	WWAN upg	None	None	6	65W	None	No		Pro 64	10/12
Positioning Processor  Memory	Premiere perf Intel® Core™ DDR3 memor Intel Core i5- DDR3 memor Intel Core i7- DDR3 memor	i5-2520M process of the controller of the contro	processor (2 r (up to 1333 ocessor (2 c r (up to 1600 ocessor (2 c r (up to 1600	MHz), li ores, 2. MHz), li ores, 2. MHz), li	ntel Turbo Bo 60GHz, 3ME ntel Turbo Bo 90GHz, 4ME ntel Turbo Bo	oost 2.0 (3.20 <b>3 cache)</b> , <b>Inte</b> oost 2.0 (3.30 <b>3 cache)</b> , <b>Inte</b>	GHz), HT te I <b>I HD Graph</b> GHz), HT te I <b>I HD Graph</b>	echnolo nics 40 echnolo nics 40	gy <b>00</b> , gy <b>00</b> ,	Read some	uine Wessiona dy to it e listed escue a	/indow: al 64 <b>nstall</b>	s® 7 <b>appli</b> e ecover	system² cations¹ ′y™	
Wemory	dual-channel	capable, tw	o 204-pin S	O-DIMN	sockets	333MHz DDF	R3 memory	control	ler	listed	1)	• • •		n <b>s</b> 14 (only	/ some
Optical	DVD burner, 1	12.7mm Ult	rabay Enhar	ced, rei	novable		-					Solutio Messao		nter nter Plu:	
Ultrabay	One bay for re						h, bottom a	ccess						ct Recov	
SATA disk	Some: Solid Some: HDD						otaction Sv	etam <sup>TM</sup>				Conne			
						, Shock Mour					ngerpr odels)	int Sof	tware	(fingerp	rint
mSATA™ SSD	None	, 10	, , ,									ntage S	Syster	n Updat	е
Widescreen	Some: 15.6"						ıt,			• Th	inkVar	ntağe F	Power	Manage	
display	220 ni Some: <b>15.6</b> "		pect ratio, 50				ıht				novo ( Sugai	Cloud S	Storag	je	
			pect ratio, 50				jiit,					Simple	Tap		
	Some: 15.6"	(396mm) <b>F</b>	ull HD (192	0x1080	color, anti-	glare, LED ba	cklight,							loaded;	
0	270 n	its, 16:9 as	pect ratio, 50	0:1 con	trast ratio, 9	5% Gamut								ey to ac	
Camera	HD720p resol					ace tracking, i	ixea focus							curity 20 nitions)	12
Graphics	Intel HD Grap supports exter					ital monitor vi	a Mini Displ	avPort		• Àd	lobe® l	Reade	r®	,	
	supports dual	lindepende	ent display:		ū		·					for Wir	ndows	;	
	Maximum exte										ernote		iness	Advanta	ine
17. 1	1920x1200@0					, .			,	- Ra				elerator	igo
Keyboard TrackPoint®	6-row, 84-key, TrackPoint® po	, ThinkVant Sinting devi	age button, s	spill-resi	stant, multim " Internet Sc	iedia En keys Iroli Bar <sup>13</sup> ma	, optional Li anifyina ala	=D bac	klight	-,		c™ VII			
Touchpad	UltraNav™, wi							.55				s Live™ /inDV/		D±RW)	
ThinkĿight™	Illuminates the													novo Ec	lition
Dimensions <sup>3</sup>	15.6W" (WxD	<i>xH):</i> 14.68'	" x 9.65" x 1.	25-1.40	'; 372.8mm >	( 245.1mm x	31.8-35.6m	m			VD±R\				
Weight <sup>2</sup>	6-cell: starting					'6 lb (2.62kg)				• Cc	rel DV	/D Mo\ DVD±F	/ieFac	tory® Le	novo
Case material	Display cover. Bottom:	: Carboi Glass-	n-fiber / Glas fiber reinforc	S-TIDER R ed nlast	iybria; ic without na	int					illioii (i	DVD±F	100)		
Battery - type	Lithium Ion 6-						ry, HW Autl	nentica	tion						
Battery - life <sup>10</sup>	6-cell (57Whr,				<i>/hr):</i> up to 15	5.3 hr;	•								
01:	9-cell plus 9-c		,		30.6 hr					-					
Chipset ExpressCard	Mobile Intel ( One slot (Exp			τ											
Smart Card Read															
Multicard Reader									_,						
Ports	Two USB 3.0,		_ ` .	ered), V	GA DB-15, N	/Ini DisplayPo	ort, etherne	t (RJ-45	o)	-					
PCIe Mini Card PCIe WLAN <sup>4</sup>	Two PCI Expr			Contrin	Advossa-	NI GOOF OWO									
PCIe WLAN	Some: Wirele			Centinic	<sup>o</sup> Advanced-	-IN 6205, 2X2									
. 0.0	Some: Wirele	ess WAN, É	ricsson® H5	321gw N	Mobile Broad	band Module	PCIe Half	Mini Ca	ırd,						
CIM oard	GPRS	S/WCDMA/	HSPA/HSPA	+, GPS											
SIM card Modem	Some: User s None	seiectable,	contract req	uirea Wi	n service pr	ovider									
IEEE 1394	None									L					
Bluetooth™	Bluetooth 4.0		ahuaris O	ootie - '	Lauria di III - V	DLIV DOL3				Supp	orts TI	ninkVa	ntage	® techno	loaies
Ethernet Intel AMT	Intel 82579LN Some: Intel A					THY, PUIE X1				H					
Audio support	HD Audio, Re	altek® ALC	3202 codec,	Dolby®	Àdvanced A				x 2 /					adapter ne-piece	
Canada	volume up, do	own, mute b	outtons / dua	I arraý n	nic, mic mute	button, com	bo auḋio/mi			ma	agnesi	um fra	me)	piooc	•
Security Security chip	Power-on pas Trusted Platfo					swora, securit	y keynole			EPE	AT™ G	old rat	ting	P	
Fingerprint reade						LED indicator	٠,					STAR® JARD®		ompliant ied	
	Power On Aut						<u> </u>					pliant	o <del>o</del> i tii	iou .	
Limited warranty <sup>12</sup>	<sup>2</sup> <b>3-years</b> /1-yea	ar battery, li	imited onsit	e servi	<b>e</b> <sup>24</sup> , 8 am - 5	pm, Mon - F	ri coverage	exclud	ing	Inter	nation	al War		Service <sup>1</sup>	
	public and nat					I require an a	ddtional ne	kt busin	ess	24 h	our x 7	day18	toll-fr	ee suppo period <sup>12</sup>	ort
	day for service	e uispatch	, service upg	jiaues a	valiable					du	iling th	ie wall	arity [	GUOU.	

# ThinkPad T530 2429 (Onsite) - Windows 8

			Wide- screen	Disk SATA	Backlit kev-	PCIe Mini Card	PCIe Mini Caro	d	Finger print		Intel	Gi Intel	lobal (		Ann Date
Type-model	Processor	Memory		GB <sup>®</sup> rpm	board	WLAN	/mSATA	SIM card	reader		AMT	vPro	(P)	Preload	(mm/yy)
2429-6MG	i5-3210M	4GBx1	15.6" HD	500G 7200	Backlit	Intel 620528	WWAN upg	None	Finger	6	None	No		Win7 Pro6	4 10/12
2429-6KG	i7-3520M	4GBx1	15.6" HD+	500G 7200	Backlit	Intel 6205	Ericsson	selectable	Finger	6	iAMT	vPro		Win7 Pro6	4 10/12
2429-42G	i7-3520M	4GBx1	15.6" HD	500G 7200	None	Intel 6205	WWAN upg	None	Finger	6	iAMT	vPro	GΡ	Win8 Pro6	4 10/12
2429-43G	i5-3320M	4GBx1	15.6" HD+	180G SSD	None	Intel 6205	WWAN upg	None	Finger	6	iAMT	vPro	GΡ	Win8 Pro6	4 10/12
2429-44G	i5-3320M	4GBx1	15.6" HD+	500G 7200	None	Intel 6205	WWAN upg	None	Finger	6	iAMT	vPro	GΡ	Win8 Pro6	4 10/12
2429-45G	i5-3320M	4GBx1	15.6" HD	320G 7200	None	Intel 6205	WWAN upg	None	Finger	6	iAMT	vPro	GΡ	Win8 Pro6	4 10/12
2429-6DG	i5-3210M	4GBx1	15.6" HD	500G 7200	Backlit	Intel 6205	WWAN upg	None	Finger	6	None	No		Win8 Pro6	4 10/12
2429-6BG	i7-3520M	4GBx1	15.6" HD+	500G 7200	Backlit	Intel 6205	Ericsson	selectable	Finger	6	iAMT	vPro		Win8 Pro6	4 10/12

• Some models are part of the Global Models Plus program with limited onsite service<sup>24</sup> 3-year limited warranty

	• Some models are part of the Global Models Plus program with limited onsite service <sup>24</sup> 3-yea	i illilited 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 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 <sup>20</sup> - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit
Memory	16GB max <sup>7</sup> / 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	Preloaded applications <sup>5</sup> (only some listed) - Windows 7 models
Optical Ultrabay SATA disk mSATA™ SSD Widescreen display	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 6.0Gb/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  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	<ul> <li>Lenovo® Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> <li>Windows Live™ Essentials</li> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo</li> </ul>
	Some: 15.6" (396mm) Full HD (1920x1080) color, anti-glare, LED backlight, 270 nits, 16:9 aspect ratio, 500:1 contrast ratio, 95% Gamut	Edition (DVD±RW)  - Windows 8 models
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@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	Lenovo Support Lenovo Companion Lenovo QuickLaunch AccuWeather PC Device Stage Cyberlink Power2Go (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Cyberlink PowerProducer (DVD±RW)     All models     Lenovo Solution Center
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" x 1.25-1.40"; 372.8mm x 245.1mm x 31.8-35.6mm 6-cell: starting at 5.39 lb (2.45kg); 9-cell: starting at 5.76 lb (2.62kg) Display cover: Carbon-fiber / Glass-fiber hybrid; Bottom: Glass-fiber reinforced plastic without paint Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication 6-cell (57Whr): up to 9.1 hr; 9-cell (94Whr): up to 15.3 hr; 9-cell plus 9-cell Slice battery (94Whr, 0A36304): up to 30.6 hr	Password Manager ThinkVantage System Update Fingerprint Software (fingerprint models) Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded;
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	purchase a product key to activate     Norton™ Internet Security     (30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA+, GPS	
SIM card Modem IEEE 1394 Bluetooth™	Some: User selectable, contract required with service provider None None	
Ethernet Intel AMT Audio support Security Security chip Fingerprint reader	Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 Some: Intel Active Management Technology (iAMT)  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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	Supports ThinkVantage® technologies  65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	3-years/1-year battery, limited onsite service <sup>24</sup> , 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	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

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

		Wide- screen	_	Disk SATA	Backlit key-	PCle Mini Card	PCIe Mini Card WWAN	print	Blue-		Intel		Ann Date
Type-model Proce		display	Camera		board	WLAN	/mSATA	reader			vPro		(mm/yy)
2429-86G i5-323		15.6" HD+	720p	240G FDE SSD	Backlit	Intel 6205 <sup>28</sup>	WWAN upg	Finger		6	No	Win8 Pro64	
2429-85G i5-323			720p	240G FDE SSD		Intel 6205	WWAN upg	Finger		6	No	Win7 Pro64	
2429-84G i5-323		15.6" HD	720p	500G 7200		Intel 6205	WWAN upg	Finger		6	No	Win8 Pro64	
2429-7TG i5-323 2429-8EG i5-323		15.6" HD 15.6" HD+	720p	500G 7200 240G FDE SSD		Intel 6205	WWAN upg	Finger		6	No	Win7 Pro64 Win8 Pro64	
2429-8DG i5-320		15.6" HD+	720p 720p	240G FDE SSD		Intel 6205 Intel 6205	WWAN upg WWAN upg	None None	BT BT	6 6	No No	Win7 Pro64	
2429-8CG i5-323		15.6" HD	720p	500G 7200		Intel 6205	WWAN upg	None	BT	6	No	Win8 Pro64	
2429-8BG i5-323			720p	500G 7200		Intel 6205	WWAN upg	None	BT	6		Win7 Pro64	
2429-8JG i5-32			720p	256G SSD OPAL			WWAN upg	None	BT.	6	No	Win8 Pro64	
2429-8HG i5-320				256G SSD OPAL			WWAN upg	None	BT	6		Win7 Pro64	
Positioning Processor		rformance; tw		lles or (2 cores, 2.60G	Hz. 3ME	3 cache). Inte	el HD Graphic	s 4000.				ating system	
				600MHz), Intel Tu					001	nq	einsta	alled through	orial or
Memory	16GB max <sup>7</sup> /	PC3-12800	1600MF	Iz DDR3, non-par	ity.	,				do	owngr	ade rights in	
,	dual-channe	I capable, two	204-pi	n SO-DIMM socke	ets				0 -			vs 8 Pro 64-bi	
	* System aut	tomatically cl	ocks do	wn for processors	with 133	3MHz DDR3	memory contro	oller	- Soi	me: vv	Indov	vs 8 Pro 64-bi	t
Optical				hanced, removabl							appli	<b>cations</b> ⁵ (only	/ some
Ultrabay	One bay for	removable de	vices, L	Iltrabay Slim-comp	patible, 1	2.7mm high,	bottom access		listed	)			
SATA disk				SATA 6.0Gb/s, 2.5 " wide, 7mm or 9.5			notion System™			ndows			
				upports the secon								age Center Pl	
mSATA™ SSD	None	vabio, apgra	aubio, o	apporto trio occorr	a aloit, o	TIOOK WIOGITE	a riaia biivo					Product Reco ctions™	very
Widescreen		" (396mm) <b>H</b>	D (1366	x768) color, anti-	olare I F	D backlight						Power Manag	er
display				o, 500:1 contrast ra						novo S			
' '	Some: 15.6	" (396mm) <b>H</b>	D+ (160	0x900) color, ant	i-glare, L	ED backlight,	,		<ul> <li>Add</li> </ul>	obe® F	Reade	r® ˙	
				o, 500:1 contrast ra								M Essentials	
	Some: 15.6	" (396mm) Fi	III HD (	<b>1920x1080) color</b> o, 500:1 contrast ra	', anti-gla	re, LED back	light,		• 00	rel® VV	indvr	)® (DVD±RW) w™ Lenovo E	dition
Camera				gle, low light sensi			ed focus			/D±RV		w reliovo r	uition
Graphics		phics 4000			1170, 1400	ridoning, inc	74 10040					vieFactory® Le	enovo
Ciapilics				via VGA DB-15 ar	nd digital	monitor via N	Mini DisplayPor	t:	Edi	ition (E	DVD±F	RW)	
		al independer			.a a.g.ta.		2.op.ay. o.	-,	- Wir	ndows	8 mc	odels	
				60x1600@60Hz (						novo S			
	1920x1200@	∮60Hz (single	e-link D\	/I-I via optional Mi	ni DP cal	ble); 2048x15	36@75Hz (VG	iA)		novo C			
Keyboard				on, spill-resistant, ı				cklight				.aunch	
TrackPoint®				s-to-Select," Inter						cuWea Devic		ne	
Touchpad ThinkLight™				keyboard, Tap Zor ve visibility in low-			ucn					er2Go (DVD±	RW)
Dimensions <sup>3</sup>							9.25.6mm		<ul><li>Cyl</li></ul>	berlink	Powe	erProdùcer	,
Weight <sup>2</sup>				x 1.25-1.40"; 372.8 ; <i>9-cell:</i> starting			.6-35.011111		(D\	/D±RV	V)		
Case material				Glass-fiber hybrid;	at 5.70 i	b (2.02kg)			- All	mode	ls		
	Bottom:	Glass-fi	ber rein	forced plastic with	out paint							n Center	
Battery - type				rts optional Slice b			HW Authentic	ation		ssword			+-
Battery - life10		<i>r):</i> up to 9.1 h		<i>9-cell (94Whr):</i> up ا					• Ini	nkvan	itage (	System Upda tware (finger	rint
Ohimaat				<i>Whr, 0A36304):</i> uj	0 10 30.6	III				dels)	111 001	tware (imiger)	
Chipset ExpressCard		QM77 Expre pressCard/34		pset								Storage	
Smart Card Read	None	pressoard/o-	r)							Sugar			
Multicard Reader		r (MMC, SD,	SDHC,	SDXC)								ce preloaded; duct key to a	
Ports	Two USB 3.0	), two USB 2.	0 (one p	ooweréd), VGA DE	3-15, Min	i DisplayPort,	, ethernet (RJ-4	45)				net Security	cuvale
PCIe Mini Card		ress Mini Ca										us definitions)	
PCIe WLAN <sup>4</sup>				ntel Centrino® Adva	anced-N	6205, 2x2			`	•		,	
PCIe WWAN SIM card	Wireless WA None	.N upgradable	<del>)</del>										
Modem	None												
IEEE 1394	None												
Bluetooth™	Bluetooth 4.0				\				Sunna	orts Th	ink\/a	ntage® techno	ologies
Ethernet		м Gigabit Ne	twork C	onnection (Lewisv	ııle), PH`	y, PCIe x1							Jiogico
Intel AMT Audio support	None HD Audio R	ealtek® Al Ca	202 004	dec, Dolby® Advan	רפל ביולו	inTM v2 / stara	n sneakore 11	V x 2 /		att AC			
, adio support				dual array mic, mic						(Pad H Ignesit		age (one-piec	е
Security	Power-on pa	ssword, hard	disk pa	ssword, superviso	r passwo	ord, security k	keyhole		FPF/	gnesit AT™ G	old ra	tina	
Security chip		orm Module,							ENE	RGY S	TAR®	5.0-complian	t
Fingerprint reade	Some: Auth	en lec tingerp	orint rea	der on palm rest, s supports the secu	swipe sei	nsor, LED ind	licator,		GRE	ENGU		certified	
Limited					, ,	M		alia -		S-comp		ronty Comite	17
Limited warranty <sup>12</sup>	ວ-years/1-ye	ear battery, <b>lir</b>	nited o	nsite service²ª, 8 s received after 3 p	am - 5 pi	m, Mon - Fri C	coverage exclu	uing				ranty Service toll-free supp	
				upgrades availabl		yune an auu	aona next bus		dur	ring the	e warr	ranty period <sup>12</sup>	
Soo footnotes for n				, 5									Lonovo

# ThinkPad T530 2429 (Optimus) - Onsite

Typo-model	Droossor	Momory	Wide- screen	Disk SATA	Backlit key-	PCIe Mini Card WLAN	PCIe Mini Card WWAN	SIM card		Power Adapter		Global (	•	Ann Date
	Processor	Memory	display 15.6" HD+	<b>GB</b> <sup>8</sup> <b>rpm</b> 500G 7200	board Backlit	Intel 6205 <sup>28</sup>	/mSATA Ericsson	selectable		(watt) 135W		vPro (P)	Pro 64	
			15.6" FHD	180G SSD	Backlit	Intel 6205	Ericsson	selectable		135W		No		06/12
	i7-3520M	4GBx1	15.6" FHD	180G SSD	None	Intel 6205	WWAN upg	None	9	90W	iAMT	vPro GP	Pro 64	06/12
	i7-3520M		15.6" HD+		None	Intel 6205	WWAN upg	None	9	90W	iAMT	vPro G P		
2429-5WG i 2429-5XG i			15.6" FHD 15.6" HD+	500G 7200 500G 7200	None	Intel 6205	WWAN upg	None	9	90W 90W	iAMT	vPro G P vPro G P		
	i7-3520M i5-3320M		15.6" FHD	500G 7200 500G 7200	None None	Intel 6205 Intel 6205	WWAN upg WWAN upg	None None	9	90W	iAMT	vPro G P		
	i5-3320M		15.6" HD+		None	Intel 6205	WWAN upg	None	9	90W	iAMT	vPro G P		
	i5-3320M		15.6" HD+	320G 7200	None	Intel 6205	WWAN upg	None	9	90W	iAMT	vPro GP		
	i5-3320M		15.6" HD	320G 7200	None	Intel 6205	WWAN upg	None	9	90W	iAMT	vPro G P		
Positioning Processor	Intel® DDR3 Intel ( DDR3 Intel (	Core™ i 3 memory Core i7-3 3 memory Core i7-3	/ controller (u 8520M proce / controller (u 8610QM proc	pcessor (2 co up to 1600MH: ssor (2 cores up to 1600MH: cessor (4 cor	z), Intel T s, <b>2.90GH</b> z), Intel T <b>es, 2.30</b> 0	urbo Boost 2 <b>Iz, 4MB cacl</b> urbo Boost 2 <b>GHz, 6MB ca</b>	ache), Intel HI .0 (3.30GHz), ne), Intel HD ( .0 (3.60GHz), che), Intel HD .0 (3.30GHz),	HT technol Graphics 4 HT technol Graphics	ogy <b>000</b> , ogy <b>400</b> 0	Read some	uine Wi essiona dy to ir e listed escue a	stall applic	cations	
Memory	dual-c	channel c	apable, two 2	600MHz DDR: 204-pin SO-D ks down for p	IMM sock	kets	Hz DDR3 mer	mory contro	oller	Prelo	paded	application	` .	y some
Optical				ay Enhanced								Solution Ce lessage Ce		s
Ultrabay SATA disk	Some	e: Solid S e: HDD /	State Drive (S SATA 3.0Gb/	SD) / SATA 6 s, 2.5" wide, 7	.0Gb/s, 2 7mm or 9	2.5" wide, 7mı 9.5mm high, <i>A</i>	mm high, both m high Active Protectio ck Mounted Ha	n Svstem™		• Th • Ac • Fir	inkVan cess C ngerpri	tage Productions on Software	ct Recov	ery/
mSATA™ SS		1011076	abio, upgraud	ioio, auppoi is	110 3000	nia alon, OHO	ok iviouriteu Hi	אוועם אוועכ			odels) inkVan	tage Syster	n Undat	e
Widescreen display	Some	220 nit 220 nit 220 nit 2 <b>15.6</b> " (	s, 16:9 aspect (396mm) <b>HD</b> - s, 16:9 aspect (396mm) <b>Ful</b> l	(1366x768) contraction, 500:1 + (1600x900) ot ratio, 500:1 I HD (1920x1 ot ratio, 500:1	contrast color, ar contrast 080) colo	ratio, 60% G nti-glare, LED ratio, 60% G or, anti-glare,	amut backlight, amut LED backligh	t,		• Th • Le by • Le	inkVan novo C Sugar novo S crosoft	tage Power loud Storag	Manage le loaded;	er
Camera	HD72						acking, fixed fo	cus				Internet Sec		
Graphics	Intel I NVIDI suppo suppo Maxin	HD Grap IA NVS™ orts exter orts three num exte	hics 4000 in 5400M, PCI nal analog m independent ernal resolution	processor, ar Express® x16 onitor via VG/ displays; on: 2560x160	nd 5, <b>1GB</b> m A DB-15 a 0@60Hz	emory, and digital me (DisplayPort	and integrated onitor via Mini via optional M); 2048x1536	DisplayPor	le);		lobe® F type™ f ernote el Sma apidBoo mante	of virus defi Reader® or Windows® III Business of HDD Acco c™ VIP Live™ Esse	Advanta elerator	age
Keyboard TrackPoint® Touchpad ThinkLight™	Tracki UltraN	Point® poi Nav™, wic	inting device, de touchpad l	"Press-to-Se	lect," Inte rd, Tap Z	ernet Scroll B ones, scrollin	Fn keys, option ar <sup>13</sup> , magnifyin g, multi-touch ons	nal LED ba g glass	ckligh	nt	orel® W orel Bui VD±RV	inDVD® (DV n.Now™ Le	D±RW) novo Ec	
Dimensions <sup>3</sup>							1mm x 31.8-3	5.6mm		Ed	lition (E	OVD±RW)	,	
Weight <sup>2</sup> Case materia		starting ay cover:		60kg); <i>9-cell:</i> ber / Glass-fib			7kg)							
ouse materia	Bottoi	ḿ:	Glass-fibe	er reinforced p	olastic wit	hout paint								
Battery - type Battery - life <sup>1</sup>	o 6-cell	(57Whr):	up to 7.7 hr;	supports optic <i>9-cell (94Wh</i> <i>ry (94Whr):</i> u	r): up to	12.8 hr;	nd battery, HW	/ Authentic	ation					
Chipset			M77 Expres	s Chipset						7				
ExpressCard Smart Card F		iot (Expr	essCard/34)											
Multicard Rea Ports	ader 4-in-1 Two L	JSB 3.0, i	two USB 2.0	(one powered	d), VGA D	B-15, Mini D	isplayPort, eth	ernet (RJ-4	15)					
PCIe Mini Ca PCIe WLAN <sup>4</sup> PCIe WWAN	11a/b. Some	/g/n, PCI e: Wirele: e: Wirele:	ss WAN upgr ss WAN, Eric	ard, Intel Cen adable sson® H5321ç	gw Mobile		05, 2x2 Module, PCIe	Half Mini C	ard,					
SIM card Modem	Some None			PA/HSPA+, G ntract required		rvice provider								
IEEE 1394	IEEE			pin connecto	r; 1394a-	2000 standaı	rd)							
Bluetooth™ Ethernet		ooth 4.0 v		ork Connecti	on (Lowis	svilla\ DUV r	PCIe v1			Supp	orts Th	inkVantage	e techno	logies
Intel AMT	Some	: Intel A	ctive Manage	ment Technol	logỳ (iAM	IT)				90-14	att or 1	35-watt AC	adante	
Audio suppor Security	volum Powe	ie up, dov r-on pass	wn, mute butt sword, hard d	ons / dual arr isk password,	ay mic, m , supervis	nic mute butto	v2 / stereo sp on, combo aud , security keyh	lio/mic jack	V x 2	Thinl   ma   EPE	kPad R agnesiu AT™ G	toll Cage (or um frame) old rating	ne-piece	•
Security chip Fingerprint re	eader Authe Powe	nTec fing r On Auth	erprint reade nentication, s	upports the se	st, swipe s ecurity ch	iip				GRE RoH	ENGU S-com		eď	
Limited warra	public	and nati	onal holidays	ted onsite se a. Calls receive ervice upgrade	ed after 3	3 pm will requ	Mon - Fri cove ire an addtiona	rage excludal next busi	ding ness	24 h	our x 7	al Warranty S day <sup>18</sup> toll-fre e warranty p	e supp	
	,													

# ThinkPad T530 2429 (Optimus) - Onsite - II

Type-model	Processor	Memory	Wide- screen display	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Smart Card Reader	Finger print reader	tery	Intel vPro	Preload	Ann Date (mm/yy)
2429-77G	i5-2520M	4GBx1	15.6" FHD	180G SSD	Backlit	Intel 630028	Ericsson	selectable	Smart	Finger	9	None	Pro 64	10/12
2429-76G	i5-2520M	4GBx1	15.6" FHD	128G SSD	None	Intel 620528	WWAN upg	None	None	Finger	9	None	Pro 64	10/12
2429-75G	i5-2520M	4GBx1	15.6" HD+	500G 7200	Backlit	Intel 6205	Ericsson	selectable	Smart	Finger	9	None	Pro 64	10/12

Positioning Processor	Premiere performance; two spindles 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	Preloaded operating system <sup>20</sup> Genuine Windows® 7 Professional 64
Memory	16GB max <sup>7</sup> / 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	Ready to install applications <sup>14</sup> (only some listed)  • Rescue and Recovery™
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 6.0Gb/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	<ul> <li>Password Manager</li> <li>Preloaded applications<sup>14</sup> (only some listed)</li> <li>Lenovo® Solution Center</li> <li>Lenovo Message Center Plus</li> </ul>
mSATA™ SSD	None	<ul> <li>ThinkVantage Product Recovery</li> </ul>
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	<ul> <li>Access Connections™</li> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</li> <li>Lenovo Cloud Storage</li> </ul>
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	by SugarSync
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)	<ul> <li>Lénovo SimpleTap</li> <li>Microsoft® Office preloaded; purchase a product key to activate</li> <li>Norton™ Internet Security 2012 (30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> <li>Evernote®</li> </ul>
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>Intel Small Business Advantage</li> <li>RapidBoot HDD Accelerator</li> <li>Symantec™ VIP</li> <li>Windows Live™ Essentials</li> </ul>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" 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; Bottom: Glass-fiber reinforced plastic without paint 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	<ul> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> </ul>
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN <sup>4</sup>	Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2  Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Ultimate-N 6300, 3x3	
PCIe WWAN	Some: Wireless WAN upgradable Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA+, GPS	
SIM card Modem	Some: User selectable, contract required with service provider None	
IEEE 1394 Bluetooth™ Ethernet	IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1	Supports ThinkVantage® technologies
Intel AMT Audio support Security Security chip	None 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-year battery, limited onsite service <sup>24</sup> , 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	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

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

Type-model	Processor	Memory	Wide- screen display	Disk SATA GB <sup>®</sup> rpm	Backlit key- board	Mini Card			Card	tery		r Intel	Global Intel GMI	<b>o</b> ``'	Ann Date (mm/yy)
				•							, ,				
2429-6LG i	5-3210M	4GBx1	15.6" HD+	500G 7200	Backlit	6205 <sup>28</sup>	Ericsson	selectable	Smart	6	90W	No	No	Win7 Pro6	4 10/12
2429-6JG i	7-3630QM	4GBx1	15.6" HD+	500G 7200	Backlit	6205	Ericsson	selectable	None	9	135W	No	No	Win7 Pro6	4 10/12
2429-6HG i	7-3630QM	4GBx2	15.6" FHD	180G SSD	Backlit	6205	Ericsson	selectable	None	9	135W	No	No	Win7 Pro6	4 10/12
2429-41G i	7-3520M	4GBx1	15.6" HD+	500G 7200	None	6205	upg	None	None	9	90W	iAMT	vPro G P	Win8 Pro6	4 10/12
2429-6FG i	7-3630QM	4GBx1	15.6" HD+	500G 7200	Backlit	6205	Ericsson	selectable	None	9	135W	No	No	Win8 Pro6	4 10/12
2429-6EG i	7-3630QM	4GBx2	15.6" FHD	180G SSD	Backlit	6205	Ericsson	selectable	None	9	135W	No	No	Win8 Pro6	4 10/12
2429-6CG i	5-3210M	4GBx1	15.6" HD+	500G 7200	Backlit	6205	Ericsson	selectable	Smart	6	90W	No	No	Win8 Pro6	4 10/12
2429-8GG i	7-3630QM	8GBx1	15.6" FHD	256G SSD OPAL	Backlit	6205	Ericsson	selectable	None	9	135W	No	No	Win8 Pro6	4 06/13
2429-8FG i	7-3630QM	8GBx1	15.6" FHD	256G SSD OPAL	Backlit	6205	Ericsson	selectable	None	9	135W	No	No	Win7 Pro6	4 06/13

	• Some models are part of the Global Models Plus program with limited onsite service <sup>24</sup> 3-year	r limited 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 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 Core i7-3630QM processor (4 cores, 2.40GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.40GHz), HT technology	preinstalled through downgrade rights in Windows 8 Pro 64-bit - <i>Some:</i> Windows 8 Pro 64-bit
Memory	16GB max <sup>7</sup> / 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	Preloaded applications <sup>5</sup> (only some listed) - Windows 7 models
Optical Ultrabay SATA disk mSATA™ SSD	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 6.0Gb/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	<ul> <li>Lenovo® Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> </ul>
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	<ul> <li>Windows Live™ Essentials</li> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> <li>Windows 8 models</li> </ul>
Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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;  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)	Lenovo Support     Lenovo Companion     Lenovo QuickLaunch     AccuWeather     PC Device Stage     Cyberlink Power2Go (DVD±RW)     Cyberlink PowerProducer     (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>All models</li> <li>Lenovo Solution Center</li> <li>Password Manager</li> <li>ThinkVantage System Update</li> </ul>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" 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: Bottom: Glass-fiber reinforced plastic without paint Lithium lon 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, 0A36304): up to 25.6 hr	Fingerprint Software (fingerprint models)     Lenovo Cloud Storage by SugarSync     Microsoft® Office preloaded; purchase a product key to activate     Norton™ Internet Security
Chipset ExpressCard Smart Card Read Multicard Reader Ports	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	(30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Some: Wireless WAN upgradable Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card Modem IEEE 1394 Bluetooth™	Some: User selectable, contract required with service provider None IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Bluetooth 4.0 wireless	Cupporto Think/(antogo® tochnologico
	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 Some: Intel Active Management Technology (iAMT) 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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	Supports ThinkVantage® technologies  90-watt or 135-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	<sup>2</sup> <b>3-years</b> /1-year battery, <b>limited onsite service</b> <sup>24</sup> , 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	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

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

Type-model	Processor	Memory	Wide- screen display	Disk SATA GB <sup>8</sup> rpm	Backlit key- board	PCIe PO Mini Card WLAN	Cle Mini Ca WWAN /mSATA	rd SIM card	Smart Card Reader		tery	Adapter	Intel		Ann Date (mm/yy)
2429-82G	i5-3230M	4GBx1	15.6" HD+	500G 7200	Backlit	620528	Ericsson	selectable	Smart	Finger	6	90W	No	Win8 Pro64	1 03/13
2429-7ZG	i5-3230M	4GBx1	15.6" HD+	500G 7200	Backlit	6205	Ericsson	selectable	Smart	Finger	6	90W	No	Win7 Pro64	1 03/13
2429-7YG	i7-3630QM	8GBx1	15.6" FHD	240G FDE SSD	Backlit	6205	Ericsson	selectable	None	Finger	9	135W	No	Win8 Pro64	03/13
2429-7XG	i7-3630QM	8GBx1	15.6" FHD	240G FDE SSD	Backlit	6205	Ericsson	selectable	None	Finger	9	135W	No	Win7 Pro64	1 03/13
2429-8AG	i5-3230M	4GBx1	15.6" HD+	500G 7200	Backlit	6205	Ericsson	selectable	Smart	None	6	90W	No	Win8 Pro64	1 06/13
2429-89G	i5-3230M	4GBx1	15.6" HD+	500G 7200	Backlit	6205	Ericsson	selectable	Smart	None	6	90W	No	Win7 Pro64	1 06/13

Positioning 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 Intel Core i7-3630QM processor (4 cores, 2.40GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.40GHz), HT technology	Preloaded operating system <sup>20</sup> - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit  - Some: Windows 8 Pro 64-bit  Preloaded applications <sup>5</sup> (only some listed)				
Memory	16GB max <sup>7</sup> / 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 mSATA™ SSD	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 6.0Gb/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	<ul> <li>Windows 7 models</li> <li>Lenovo® Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> </ul>				
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	<ul> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> <li>Windows Live™ Essentials</li> <li>Corel® WinDVD® (DVD±RW)</li> <li>Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>Corel DVD MovieFactory® Lenovo</li> </ul>				
Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  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; 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)	Edition (DVD±RW)  - Windows 8 models  - Lenovo Support  - Lenovo Companion  - Lenovo QuickLaunch  - AccuWeather  - PC Device Stage  - Cyberlink Power2Go (DVD±RW)				
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	<ul> <li>Cyberlink PowerProducer (DVD±RW)</li> <li>All models</li> <li>Lenovo Solution Center</li> </ul>				
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.68" x 9.65" 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;  Bottom: Glass-fiber reinforced plastic without paint 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, 0A36304): up to 25.6 hr	<ul> <li>Password Manager</li> <li>ThinkVantage System Update</li> <li>Fingerprint Software (fingerprint models)</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>Microsoft® Office preloaded;</li> </ul>				
	Mobile Intel QM77 Express Chipset One slot (ExpressCard/34) Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	<ul> <li>purchase a product key to activate</li> <li>Norton™ Internet Security (30 days of virus definitions)</li> </ul>				
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS User selectable, contract required with service provider					
Modem IEEE 1394 Bluetooth™	None IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) Bluetooth 4.0 wireless	Output This Washers ® Laboratoria				
Ethernet Intel AMT	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 None	Supports ThinkVantage® technologies				
Audio support Security Security chip	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 Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	90-watt or 135-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant				
Limited warranty <sup>12</sup>	<sup>2</sup> <b>3-years</b> /1-year battery, <b>limited onsite service</b> <sup>24</sup> , 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	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>				