



Lenovo® ThinkPad L530



Lenovo ThinkPad L530



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Lenovo Sport Backpack - Blue 0B47298  
Lenovo Sport Backpack - Red 0A33896  
Lenovo Sport Backpack - Grey 0B47301

# ThinkPad L530 2481 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>2</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Card slot	Finger print reader	Bat-tery Blue-tooth cells	Preload	Ann Date (mm/yy)
2481-2RG	i3-2370M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Finger	BT 6	Pro 64	06/12
2481-2SG	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Finger	BT 6	Pro 64	06/12
2481-2TG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Finger	BT 6	Pro 64	06/12
2481-2VG	i3-2370M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Finger	BT 6	Pro 64	07/12
2481-2WG	Cel B820	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Finger	BT 6	Pro 64	07/12
2481-2UG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	None	Finger	BT 6	Pro 64	07/12
2481-3AG	i3-2328M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT 6	Pro 64	09/12
2481-3NG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	Finger	BT 6	Pro 64	09/12
2481-3MG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT 6	Pro 64	09/12
2481-3LG	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT 6	Pro 64	09/12
2481-3KG	i3-2370M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT 6	Pro 64	09/12

• Small and medium business (SMB) model(s), part of the WE TopSeller™ Program

Positioning	<i>Mainstream business performance; two spindles</i>								<b>Preloaded operating system<sup>20</sup></b> Genuine Windows® 7 Professional 64			
Processor	<b>Intel® Celeron® B820 processor (2 cores, 1.70GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz)</b> <b>Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology</b> <b>Intel Core i3-2370M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology</b> <b>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</b>								<b>Ready to install applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>Rescue and Recovery™</li> <li>Password Manager</li> </ul> <b>Preloaded applications<sup>14</sup></b> (only some listed)			
Memory	8GB 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								<ul style="list-style-type: none"> <li>Lenovo Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</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>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>			
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in											
SATA disk	<i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™											
mSATA™ SSD	<i>Some:</i> mSATA Solid State Drive (SSD), via PCIe Mini Card slot											
Widescreen display	<i>Some:</i> <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	<b>Intel HD Graphics, Intel HD Graphics 3000, or Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)											
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys											
TrackPoint®	TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass											
Touch pad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch											
ThinkLight™	None											
Dimensions <sup>3</sup>	15.6W" (WxDxH): 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm											
Weight <sup>2</sup>	6-cell: from 5.69 lb (2.58kg); 9-cell: from 6.05 lb (2.75kg)											
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic											
Battery - type	Lithium Ion 6-cell or 9-cell, HW Authentication											
Battery - life <sup>10</sup>	6-cell (57Whr): up to 7.5 hr; 9-cell (94Whr): up to 12.3 hr											
Chipset	<b>Mobile Intel HM76 Express Chipset</b>											
ExpressCard	<i>Some:</i> One slot (ExpressCard/34, ExpressCard/54)											
Smart Card read	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	One USB 3.0, three USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)											
PCIe Mini Card	Two PCI Express Mini Card slots											
PCIe WLAN <sup>4</sup>	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2											
PCIe WWAN	<i>Some:</i> Wireless WAN upgradable											
SIM card	None								Supports ThinkVantage® technologies			
Modem	None											
Bluetooth™	Bluetooth 4.0 wireless											
Ethernet	Realtek® RTL8111F Gigabit Network Connection											
Intel AMT	None											
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack								65-watt AC adapter EPEAT™ Gold rating (except Celeron models) ENERGY STAR® 5.0-compliant (except Celeron models) GREENGUARD® certified (except Celeron models) 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>			
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, supports the security chip											
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available											

See footnotes for more detailed information

# ThinkPad L530 2481 (TopSeller) - DOS

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>a</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Card slot	Finger print reader	Blue-tooth	Bat-tery cells	Preload (mm/yy)	Ann Date
2481-2QG	Pen B970	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Finger	BT	6	DOS-Lic.	06/12

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program

Positioning Processor	<i>Mainstream business performance; two spindles</i> <b>Intel® Pentium® B970 processor (2 cores, 2.30GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz)</b>											Preloaded operating system <sup>20</sup> - DOS-Lic.
Memory	8GB 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 SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™											
mSATA™ SSD	None											
Widescreen display	<i>Some:</i> <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	<b>Intel HD Graphics</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)											
Keyboard TrackPoint® Touch pad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch None											
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>	<i>15.6W" (WxDxH):</i> 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm <i>6-cell:</i> from 5.69 lb (2.58kg); <i>9-cell:</i> from 6.05 lb (2.75kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell, HW Authentication <i>6-cell (57Whr):</i> up to 7.5 hr; <i>9-cell (94Whr):</i> up to 12.3 hr											
Chipset ExpressCard Smart Card read Multicard Reader Ports	<b>Mobile Intel HM76 Express Chipset</b> None None 4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, three 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 Modem Bluetooth™ Ethernet Intel AMT Audio support	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Wireless WAN upgradable None None Bluetooth 4.0 wireless Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack											
Security Security chip Fingerprint reader	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, supports the security chip											Supports ThinkVantage® technologies
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available											65-watt AC adapter 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>

See footnotes for more detailed information

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# ThinkPad L530 2481 (TopSeller) - Windows 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Card slot	Finger print reader	Battery Blue-tooth cells	Preload	Ann Date (mm/yy)
2481-35G	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 10/12
2481-36G	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 10/12
2481-37G	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 10/12
2481-38G	i3-2328M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 10/12
2481-39G	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	Finger	BT	6	Win8 Pro64 10/12
2481-3TG	i3-2328M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 10/12
2481-3SG	i3-3110M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 10/12
2481-3RG	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 10/12
2481-3QG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 10/12
2481-3TG	i3-2328M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	Finger	BT	6	Win7 Pro64 10/12
2481-48G	i5-2520M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 01/13
2481-5EG	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win7 Pro64 06/13
2481-5DG	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win8 Pro64 06/13
2481-5AG	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 06/13
2481-59G	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 06/13

• **Small and medium business (SMB) model(s), part of the WE TopSeller™ Program**

Positioning	<i>Mainstream business performance; two spindles</i>	<b>Preloaded operating system<sup>20</sup></b> - Some: Windows <sup>®</sup> 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit <b>Preloaded applications<sup>5</sup></b> (only some listed) - <b>Windows 7 models</b> • Lenovo <sup>®</sup> Message Center Plus • ThinkVantage Product Recovery • Access Connections™ • ThinkVantage Power Manager • Lenovo SimpleTap • Adobe <sup>®</sup> Reader <sup>®</sup> • Windows Live™ Essentials • Corel <sup>®</sup> WinDVD <sup>®</sup> (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory <sup>®</sup> Lenovo Edition (DVD±RW) - <b>Windows 8 models</b> • Lenovo Support • Lenovo Companion • Lenovo QuickLaunch • AccuWeather • PC Device Stage • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW) - <b>All models</b> • Lenovo Solution Center • Password Manager • ThinkVantage System Update • Fingerprint Software (fingerprint models) • Lenovo Cloud Storage by SugarSync • Microsoft <sup>®</sup> Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions) Supports ThinkVantage <sup>®</sup> technologies 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR <sup>®</sup> 5.0-compliant GREENGUARD <sup>®</sup> certified 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>
Processor	Intel <sup>®</sup> Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology 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 i5-3210M 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	
Memory	8GB 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 SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	
mSATA™ SSD	Some: mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	Some: <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	
Graphics	Intel HD Graphics 3000 or 4000 in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent 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)	
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys	
TrackPoint <sup>®</sup>	TrackPoint <sup>®</sup> pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass	
Touch pad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch	
ThinkLight™	None	
Dimensions <sup>3</sup>	15.6W" (WxDxH): 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm	
Weight <sup>2</sup>	6-cell: from 5.69 lb (2.58kg); 9-cell: from 6.05 lb (2.75kg)	
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic	
Battery - type	Lithium Ion 6-cell or 9-cell, HW Authentication	
Battery - life <sup>10</sup>	6-cell (57Whr): up to 7.5 hr; 9-cell (94Whr): up to 12.3 hr	
Chipset	Mobile Intel HM76 Express Chipset	
ExpressCard	One slot (ExpressCard/34, ExpressCard/54)	
Smart Card reader	None	
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Ports	One USB 3.0, three USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	
PCIe Mini Card	Two PCI Express Mini Card slots	
PCIe WLAN <sup>4</sup>	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1	
PCIe WWAN	Some: Wireless WAN upgradable	
SIM card	None	
Modem	None	
Bluetooth™	Bluetooth 4.0 wireless	
Ethernet	Realtek <sup>®</sup> RTL8111F Gigabit Network Connection	
Intel AMT	None	
Audio support	HD Audio, Realtek ALC3202 codec, Dolby <sup>®</sup> Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Security chip	Trusted Platform Module, TCG 1.2-compliant	
Fingerprint reader	Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, supports the security chip	
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available	

See footnotes for more detailed information

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# ThinkPad L530 2481 (TopSeller) - Windows 8 - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Card slot	Finger print reader	Bat-tery Blue-tooth cells	Preload	Ann Date (mm/yy)
2481-52G	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 03/13
2481-4ZG	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 03/13
2481-4YG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 03/13
2481-4XG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	Finger	BT	6	Win7 Pro64 03/13
2481-4WG	i5-2520M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 03/13
2481-4VG	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 03/13
2481-4UG	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 03/13
2481-4TG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 03/13
2481-4SG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	Finger	BT	6	Win8 Pro64 03/13
2481-5QG	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win7 Pro64 06/13
2481-5PG	i3-3120M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win8 Pro64 06/13
2481-5NG	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win7 Pro64 06/13
2481-5MG	i5-3230M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win8 Pro64 06/13
2481-5LQ	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win7 Pro64 06/13
2481-5KG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win8 Pro64 06/13
2481-5JG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	None	BT	6	Win7 Pro64 06/13
2481-5HG	i5-3230M	4GBx1	15.6" HD+	720p	500G 7200	TP 11b/g/n	16GB mSATA	Express 54	None	BT	6	Win8 Pro64 06/13
2481-5LQ	i5-3230M	4GBx1	15.6" HD+	720p	180G SSD	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win7 Pro64 06/13
2481-5FG	i5-3230M	4GBx1	15.6" HD+	720p	180G SSD	TP 11b/g/n	WWAN upg	Express 54	None	BT	6	Win8 Pro64 06/13
2481-5CG	i5-3230M	4GBx1	15.6" HD+	720p	180G SSD	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win7 Pro64 06/13
2481-5BG	i5-3230M	4GBx1	15.6" HD+	720p	180G SSD	TP 11b/g/n	WWAN upg	Express 54	Finger	BT	6	Win8 Pro64 06/13
Positioning Processor	<i>Mainstream business performance; two spindles</i> <b>Intel® Core™ i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000</b> , DDR3 memory controller (up to 1600MHz), Hyper-Threading technology <b>Intel Core i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000</b> , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology <b>Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology										<b>Preloaded operating system<sup>20</sup></b> - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit	
Memory	8GB 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										<b>Preloaded applications<sup>5</sup></b> (only some listed) - <b>Windows 7 models</b> • Lenovo® Message Center Plus • ThinkVantage Product Recovery • Access Connections™ • ThinkVantage Power Manager • Lenovo SimpleTap • Adobe® Reader® • Windows Live™ Essentials • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) - <b>Windows 8 models</b> • Lenovo Support • Lenovo Companion • Lenovo QuickLaunch • AccuWeather • PC Device Stage • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW)	
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™										<b>- All models</b> • Lenovo Solution Center • Password Manager • ThinkVantage System Update • Fingerprint Software (fingerprint models) • Lenovo Cloud Storage by SugarSync • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions)	
mSATA™ SSD	Some: mSATA Solid State Drive (SSD), via PCIe Mini Card slot											
Widescreen display	Some: <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	<b>Intel HD Graphics 3000 or 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; <i>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)</i>										Supports ThinkVantage® technologies  65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified 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>	
Keyboard TrackPoint® Touch pad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch None											
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>	<b>15.6W" (WxDxH):</b> 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm <b>6-cell:</b> from 5.69 lb (2.58kg); <b>9-cell:</b> from 6.05 lb (2.75kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell, HW Authentication <b>6-cell (57Whr):</b> up to 7.5 hr; <b>9-cell (94Whr):</b> up to 12.3 hr											
Chipset ExpressCard Smart Card read Multicard Reader Ports	<b>Mobile Intel HM76 Express Chipset</b> One slot (ExpressCard/34, ExpressCard/54) None 4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, three 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 Modem Bluetooth™ Ethernet Intel AMT Audio support	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: Wireless WAN upgradable None None Bluetooth 4.0 wireless Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack											
Security Security chip Fingerprint reader	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, supports the security chip											
Limited warranty <sup>12</sup>	<b>1-year - depot repair service / service upgrades<sup>22</sup> available</b>											

See footnotes for more detailed information

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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Smart Card Reader	Card slot	Finger print reader	Blue-tooth	Bat- tery cells	Workhorse (W) Global (G)	Pre- load	Ann Date (mm/yy)
2478-25G	i5-3360M	4GBx1	15.6" HD+	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	None	None	Finger	BT	9	G	Pro 64	06/12
2478-26G	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	6	G	Pro 64	06/12
2478-27G	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	None	None	None	No	6	G	Pro 64	06/12
2478-28G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 2200	WWAN upg	None	None	Finger	BT	6	G	Pro 64	06/12
2478-29G	i5-3320M	4GBx1	15.6" HD	None	320G 7200	Intel 2200	WWAN upg	None	None	None	BT	6	G	Pro 64	06/12
2478-2AG	i5-3360M	4GBx1	15.6" HD+	720p	320G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	9	G	Pro 64	06/12
2478-2BG	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	6	G	Pro 64	06/12
2478-2CG	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	None	None	None	No	6	G	Pro 64	06/12
2478-2XG	i5-3360M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	9	G	Pro 64	06/12
2478-2YG	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	6	G	Pro 64	06/12
2478-32G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	6	W G	Pro 64	06/12
2478-33G	i5-3360M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	9	W G	Pro 64	06/12

• A depot repair service 3-year limited warranty

Positioning Processor	Mainstream business performance; two spindles <b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology <b>Intel Core i5-3360M processor (2 cores, 2.80GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.50GHz), HT technology	<b>Preloaded operating system<sup>20</sup></b> Genuine Windows® 7 Professional 64  <b>Ready to install applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>• Rescue and Recovery™</li> <li>• Password Manager</li> </ul> <b>Preloaded applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>• Lenovo Message Center Plus</li> <li>• ThinkVantage Product Recovery</li> <li>• Access Connections™</li> <li>• Fingerprint Software (fingerprint models)</li> <li>• ThinkVantage System Update</li> <li>• ThinkVantage Power Manager</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>• 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>
Memory	8GB 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 SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	
mSATA™ SSD	None	
Widescreen display	<i>Some:</i> <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	<i>Some:</i> HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	
Graphics	<b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	
Keyboard TrackPoint® Touch pad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch None	
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>	<i>15.6W" (WxDxH):</i> 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm <i>6-cell:</i> from 5.69 lb (2.58kg); <i>9-cell:</i> from 6.05 lb (2.75kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell, HW Authentication <i>6-cell (57Whr):</i> up to 7.5 hr; <i>9-cell (94Whr):</i> up to 12.3 hr	
Chipset ExpressCard Smart Card read Multicard Reader Ports	<b>Mobile Intel HM76 Express Chipset</b> <i>Some:</i> One slot (ExpressCard/34, ExpressCard/54) <i>Some:</i> Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, three 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 Modem Bluetooth™ Ethernet Intel AMT Audio support	Two PCI Express Mini Card slots <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2 <i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Advanced-N 6205, 2x2 Wireless WAN upgradable None None <i>Some:</i> Bluetooth 4.0 wireless Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack	
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant <i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, supports the security chip	
Limited warranty <sup>12</sup>	<b>3-years/1-yr battery - depot repair service / service upgrades<sup>22</sup> available</b>	
	Supports ThinkVantage® technologies  65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified 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>	

See footnotes for more detailed information

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Smart Card Reader	Card slot	Finger print reader	Blue-tooth	Bat-tery cells	Ann Date
2478-5GG	i5-2520M	4GBx1	15.6" HD+	720p	128G SSD	Intel 2200	WWAN upg	None	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-5FG	i5-2520M	4GBx1	15.6" HD+	720p	128G SSD	Intel 2200	Ericsson	selectable	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-5EG	i5-2520M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2200	Ericsson	selectable	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-5DG	i5-2520M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Smart	Exp 54	Finger	BT	6	Pro 64 10/12
2478-5CG	i5-2520M	4GBx1	15.6" HD	720p	500G 7200	Intel 2200	WWAN upg	None	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-5BG	i5-2520M	4GBx1	15.6" HD	720p	320G 7200	Intel 2200	WWAN upg	None	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-5AG	i5-2520M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n	None	None	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-59G	i5-2520M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	None	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-58G	i5-2520M	2GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	None	None	Exp 54	Finger	BT	6	Pro 64 10/12
2478-57G	i5-2520M	2GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n	None	None	None	Exp 54	Finger	BT	6	Pro 64 10/12

• A depot repair service 3-year limited warranty

Positioning Processor	Mainstream business performance; two spindles <b>Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000,</b> DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology	<b>Preloaded operating system<sup>20</sup></b> Genuine Windows® 7 Professional 64
Memory	8GB 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	<b>Ready to install applications<sup>14</sup></b> (only some listed) • Rescue and Recovery™ • Password Manager
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	<b>Preloaded applications<sup>14</sup></b> (only some listed) • Lenovo Message Center Plus • ThinkVantage Product Recovery • Access Connections™ • Fingerprint Software (fingerprint models) • ThinkVantage System Update • ThinkVantage Power Manager • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
mSATA™ SSD	None	
Widescreen display	<i>Some:</i> <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	
Graphics	<b>Intel HD Graphics 3000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys	
TrackPoint®	TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass	
Touch pad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch	
ThinkLight™	None	
Dimensions <sup>3</sup>	<i>15.6W" (WxDxH):</i> 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm	
Weight <sup>2</sup>	<i>6-cell:</i> from 5.69 lb (2.58kg); <i>9-cell:</i> from 6.05 lb (2.75kg)	
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic	
Battery - type	Lithium Ion 6-cell or 9-cell, HW Authentication	
Battery - life <sup>10</sup>	<i>6-cell (57Whr):</i> up to 7.5 hr; <i>9-cell (94Whr):</i> up to 12.3 hr	
Chipset	<b>Mobile Intel HM76 Express Chipset</b>	
ExpressCard	<i>Some:</i> One slot (ExpressCard/34, ExpressCard/54)	
Smart Card read	<i>Some:</i> Smart Card reader	
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Ports	One USB 3.0, three USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)	
PCIe Mini Card	Two PCI Express Mini Card slots	
PCIe WLAN <sup>4</sup>	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2	
PCIe WWAN	<i>Some:</i> Wireless WAN upgradable <i>Some:</i> Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card	<i>Some:</i> User selectable, contract required with service provider	
Modem	None	
Bluetooth™	Bluetooth 4.0 wireless	
Ethernet	Realtek® RTL8111F Gigabit Network Connection	
Intel AMT	None	
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack	<b>Supports ThinkVantage® technologies</b>
Security	Power-on password, hard disk password, supervisor password, security keyhole	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified 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>
Security chip	Trusted Platform Module, TCG 1.2-compliant	
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, supports the security chip	
Limited warranty <sup>12</sup>	<b>3-years/1-yr battery - depot repair service / service upgrades<sup>22</sup> available</b>	

See footnotes for more detailed information

# ThinkPad L530 2478 (Windows 8)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2478-62G	i7-3520M	4GBx1	15.6" HD+	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	None	Finger	BT	6	G	Win8 Pro64	10/12
2478-4NG	i5-3320M	4GBx1	15.6" HD	None	320G 7200	Intel 2200	WWAN upg	None	None	No	6	G	Win8 Pro64	10/12
2478-63G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Finger	BT	6	G	Win8 Pro64	10/12
2478-64G	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	None	Finger	BT	6	G	Win8 Pro64	10/12

• A depot repair service 3-year limited warranty

Positioning Processor	<i>Mainstream business performance; two spindles</i> <b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology <b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology										<b>Preloaded operating system<sup>20</sup></b> - Windows® 8 Pro 64-bit <b>Preloaded applications<sup>5</sup></b> (only some listed)			
Memory	8GB 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										- <b>Windows 7 models</b> • Lenovo® Message Center Plus • ThinkVantage Product Recovery • Access Connections™ • ThinkVantage Power Manager • Lenovo SimpleTap • Adobe® Reader® • Windows Live™ Essentials • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)			
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™										- <b>Windows 8 models</b> • Lenovo Support • Lenovo Companion • Lenovo QuickLaunch • AccuWeather • PC Device Stage • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW)			
mSATA™ SSD	None										- <b>All models</b> • Lenovo Solution Center • Password Manager • ThinkVantage System Update • Fingerprint Software (fingerprint models) • Lenovo Cloud Storage by SugarSync • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions)			
Widescreen display	<i>Some:</i> <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <i>Some:</i> <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio										Supports ThinkVantage® technologies			
Camera	<i>Some:</i> HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus										65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified 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>			
Graphics	<b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)													
Keyboard TrackPoint® Touch pad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch None													
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>	<i>15.6W" (WxDxH):</i> 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm <i>6-cell:</i> from 5.69 lb (2.58kg); <i>9-cell:</i> from 6.05 lb (2.75kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell, HW Authentication <i>6-cell (57Whr):</i> up to 7.5 hr; <i>9-cell (94Whr):</i> up to 12.3 hr													
Chipset ExpressCard Smart Card read Multicard Reader Ports	<b>Mobile Intel HM76 Express Chipset</b> None None 4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, three 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 <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2 <i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Advanced-N 6205, 2x2													
PCIe WWAN SIM card Modem Bluetooth™ Ethernet Intel AMT Audio support	Wireless WAN upgradable None None <i>Some:</i> Bluetooth 4.0 wireless Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole													
Security Security chip Fingerprint reader	Trusted Platform Module, TCG 1.2-compliant <i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, supports the security chip													
Limited warranty <sup>12</sup> <b>3-years/1-yr battery</b> - depot repair service / service upgrades <sup>22</sup> available														

See footnotes for more detailed information

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# ThinkPad L530 2479 (Onsite)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>2</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Smart Card Reader	Card slot	Finger print reader	Blue-tooth	Battery cells	Workhorse (W) Global (G)	Pre-load	Ann Date (mm/yy)
2479-32G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205 <sup>28</sup>	WWAN upg	Smart	Exp 54	Finger	BT	6	W G P	Pro 64	06/12
2479-33G	i5-3360M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	9	W G P	Pro 64	06/12
2479-3BG	i5-3360M	4GBx1	15.6" HD+	720p	500G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	9	G P	Pro 64	06/12
2479-3CG	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	6	G P	Pro 64	06/12
2479-3DG	i5-3360M	4GBx1	15.6" HD+	720p	320G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	9	G P	Pro 64	06/12
2479-3EG	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	None	None	Finger	BT	6	G P	Pro 64	06/12
2479-44G	i5-3360M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	9		Pro 64	06/12
2479-45G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	6		Pro 64	06/12

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

Positioning Processor	Mainstream business performance; two spindles <b>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</b> <b>Intel Core i5-3360M processor (2 cores, 2.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.50GHz), HT technology</b>											Preloaded operating system <sup>20</sup> Genuine Windows® 7 Professional 64		
Memory	8GB 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™ • Password Manager		
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™											Preloaded applications <sup>14</sup> (only some listed) • Lenovo Message Center Plus • ThinkVantage Product Recovery • Access Connections™ • Fingerprint Software (fingerprint models) • ThinkVantage System Update • ThinkVantage Power Manager • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)		
mSATA™ SSD	None													
Widescreen display	Some: <b>15.6"</b> (396mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus													
Graphics	<b>Intel HD Graphics 4000</b> 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)													
Keyboard TrackPoint® Touch pad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch None													
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup>	15.6W" (WxDxH): 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm 6-cell: from 5.69 lb (2.58kg); 9-cell: from 6.05 lb (2.75kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell, HW Authentication 6-cell (57Whr): up to 7.5 hr; 9-cell (94Whr): up to 12.3 hr													
Chipset ExpressCard Smart Card read Multicard Reader Ports	<b>Mobile Intel HM76 Express Chipset</b> Some: One slot (ExpressCard/34, ExpressCard/54) Some: Smart Card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) One USB 3.0, three 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 Modem Bluetooth™ Ethernet Intel AMT Audio support	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 Wireless WAN upgradable None None Bluetooth 4.0 wireless Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack													
Security Security chip Fingerprint reader	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, supports the security chip											Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant		
Limited warranty <sup>12</sup>	<b>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</b>											International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>		

See footnotes for more detailed information

# ThinkPad L530 2479 (Onsite) - Windows 8

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>3</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2479-62G	i7-3520M	4GBx1	15.6" HD+	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	None	Finger	BT	6	G P	Win8 Pro64	10/12
2479-63G	i5-3320M	4GBx1	15.6" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Finger	BT	6	G P	Win8 Pro64	10/12
2479-64G	i5-3320M	4GBx1	15.6" HD	720p	500G 7200	Intel 6205	WWAN upg	None	Finger	BT	6	G P	Win8 Pro64	10/12

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

Positioning Processor	<p><i>Mainstream business performance; two spindles</i>  <b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000</b>, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology  <b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000</b>, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology</p>										<p><b>Preloaded operating system<sup>20</sup></b>                      - Windows® 8 Pro 64-bit</p> <p><b>Preloaded applications<sup>5</sup></b> (only some listed)</p>
Memory	<p>8GB 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</p>										<p>- <b>Windows 7 models</b></p> <ul style="list-style-type: none"> <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 Edition (DVD±RW)</li> </ul>
Optical SATA disk	<p>DVD burner, 12.7mm high, fixed, not removable, tray-in  <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable  <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™</p>										
mSATA™ SSD	None										
Widescreen display	<p><i>Some:</i> <b>15.6"</b> (396mm) <b>HD (1366x768) color</b>, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio  <i>Some:</i> <b>15.6"</b> (396mm) <b>HD+ (1600x900) color</b>, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>										
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus										
Graphics	<p><b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;  <i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)</p>										<p>- <b>Windows 8 models</b></p> <ul style="list-style-type: none"> <li>Lenovo Support</li> <li>Lenovo Companion</li> <li>Lenovo QuickLaunch</li> <li>AccuWeather</li> <li>PC Device Stage</li> <li>Cyberlink Power2Go (DVD±RW)</li> <li>Cyberlink PowerProducer (DVD±RW)</li> </ul> <p>- <b>All models</b></p> <ul style="list-style-type: none"> <li>Lenovo Solution Center</li> <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; purchase a product key to activate</li> <li>Norton™ Internet Security (30 days of virus definitions)</li> </ul>
Keyboard TrackPoint®	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys										
Touch pad ThinkLight™	TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch None										
Dimensions <sup>3</sup>	15.6W" (WxDxH): 14.96" x 9.72" x 1.25–1.31"; 380mm x 247mm x 31.7–33.4mm										
Weight <sup>2</sup>	6-cell: from 5.69 lb (2.58kg); 9-cell: from 6.05 lb (2.75kg)										
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic										
Battery - type	Lithium Ion 6-cell or 9-cell, HW Authentication										
Battery - life <sup>10</sup>	6-cell (57Whr): up to 7.5 hr; 9-cell (94Whr): up to 12.3 hr										
Chipset	<b>Mobile Intel HM76 Express Chipset</b>										
ExpressCard	None										
Smart Card read	None										
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)										
Ports	One USB 3.0, three USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)										
PCIe Mini Card	Two PCI Express Mini Card slots										
PCIe WLAN <sup>4</sup>	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2										
PCIe WWAN	Wireless WAN upgradable										
SIM card	None										
Modem	None										
Bluetooth™	Bluetooth 4.0 wireless										
Ethernet	Realtek® RTL8111F Gigabit Network Connection										
Intel AMT	None										
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / volume up, down, mute buttons / monaural digital mic, mic mute button, combo audio/mic jack										Supports ThinkVantage® technologies
Security	Power-on password, hard disk password, supervisor password, security keyhole										65-watt AC adapter
Security chip	Trusted Platform Module, TCG 1.2-compliant										EPEAT™ Gold rating
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, supports the security chip										ENERGY STAR® 5.0-compliant
Limited warranty <sup>12</sup>	3-years/1-year battery, <b>limited onsite service<sup>24</sup></b> , 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										GREENGUARD® certified
											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>

See footnotes for more detailed information

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