



Lenovo® ThinkPad L430



Lenovo ThinkPad L430



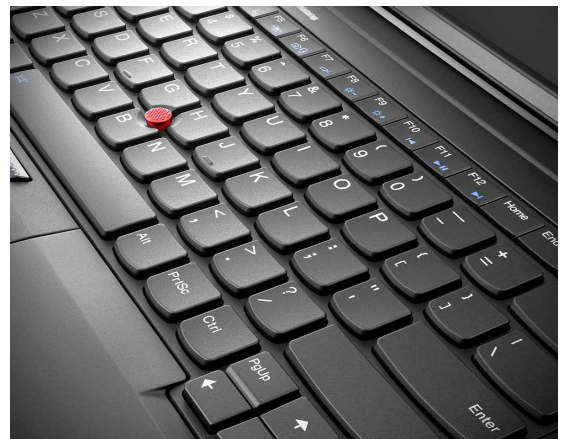
Lenovo ThinkPad L430



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# ThinkPad L430 2468 (TopSeller)

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	Card slot	Finger print reader	Blue-tooth	Battery cells	Preload (mm/yy)	Ann Date
2468-34G	i3-2370M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	None	Finger	BT	6	Pro 64 06/12	06/12
2468-35G	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	None	Finger	BT	6	Pro 64 06/12	06/12
2468-36G	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	None	Finger	BT	6	Pro 64 06/12	06/12
2468-37G	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	None	Finger	BT	6	Pro 64 07/12	07/12
2468-3HG	i3-2328M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Pro 64 09/12	09/12
2468-3MG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	Finger	BT	6	Pro 64 09/12	09/12
2468-3LG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT	6	Pro 64 09/12	09/12
2468-3KG	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Pro 64 09/12	09/12
2468-3JG	i3-2370M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Pro 64 09/12	09/12

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

Positioning Processor	<i>Mainstream business performance; two spindles</i> <b>Intel® 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>Preloaded operating system<sup>20</sup></b> Genuine Windows® 7 Professional 64 <b>Ready to install applications<sup>14</sup></b> (only some listed) • Rescue and Recovery™ • Password Manager
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>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)
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>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 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:</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>14.0W" (WxDxH):</i> 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm <i>6-cell:</i> from 5.11 lb (2.32kg); <i>9-cell:</i> from 5.48 lb (2.49kg) 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) 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	Two PCI Express Mini Card slots <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 <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 Modem Bluetooth™ Ethernet Intel AMT Audio support	<i>Some:</i> User selectable, contract required with service provider 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	<b>Supports ThinkVantage® technologies</b>  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>
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 L430 2468 (TopSeller) - 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	Card slot	Finger print reader	Blue-tooth	Battery cells	Preload	Ann Date (mm/yy)
2468-3CG	i3-2328M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win8 Pro64	10/12
2468-3DG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	Finger	BT	6	Win8 Pro64	10/12
2468-3EG	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win8 Pro64	10/12
2468-3FG	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win8 Pro64	10/12
2468-3GG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT	6	Win8 Pro64	10/12
2468-3SG	i3-2328M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win7 Pro64	10/12
2468-3RG	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win7 Pro64	10/12
2468-3QG	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win7 Pro64	10/12
2468-3PG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	Finger	BT	6	Win7 Pro64	10/12
2468-3NG	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT	6	Win7 Pro64	10/12
2468-4CG	i5-2520M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6	Win7 Pro64	01/13

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

Positioning Processor	<i>Mainstream business performance; two spindles</i> <b>Intel® Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000</b> , DDR3 memory controller (up to 1333MHz), HT technology <b>Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000</b> , DDR3 memory controller (up to 1600MHz), HT 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 i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), 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 <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>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio	Supports ThinkVantage® technologies
Camera	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 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:</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>14.0W" (WxDxH):</i> 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm <i>6-cell:</i> from 5.11 lb (2.32kg); <i>9-cell:</i> from 5.48 lb (2.49kg) 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> 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	Two PCI Express Mini Card slots <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 <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 Modem Bluetooth™ Ethernet Intel AMT Audio support	<i>Some:</i> User selectable, contract required with service provider 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	
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 L430 2468 (TopSeller) - Windows 8 - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>1</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	SIM card	Card slot	Finger print reader	Bat- tery Blue- toothcells	Preload	Ann Date (mm/yy)
2468-5AG	i3-3120M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT 6	Win7 Pro64	03/13
2468-59G	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT 6	Win7 Pro64	03/13
2468-58G	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	Finger	BT 6	Win7 Pro64	03/13
2468-57G	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT 6	Win7 Pro64	03/13
2468-56G	i5-2520M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT 6	Win8 Pro64	03/13
2468-55G	i3-3120M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT 6	Win8 Pro64	03/13
2468-54G	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT 6	Win8 Pro64	03/13
2468-53G	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	Finger	BT 6	Win8 Pro64	03/13
2468-52G	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT 6	Win8 Pro64	03/13
2468-6MG	i5-3230M	4GBx1	14.0" HD+	720p	180G SSD	TP 11b/g/n	Ericsson	selectable	Express 54	None	BT 6	Win7 Pro64	06/13
2468-6LG	i5-3230M	4GBx1	14.0" HD+	720p	180G SSD	TP 11b/g/n	Ericsson	selectable	Express 54	None	BT 6	Win8 Pro64	06/13
2468-6FG	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	None	BT 6	Win7 Pro64	06/13
2468-6EG	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	None	BT 6	Win8 Pro64	06/13
2468-6DG	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	None	BT 6	Win7 Pro64	06/13
2468-6CG	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Express 54	None	BT 6	Win8 Pro64	06/13
2468-6BG	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	None	BT 6	Win7 Pro64	06/13
2468-6AG	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	TP 11b/g/n	Ericsson	selectable	Express 54	None	BT 6	Win8 Pro64	06/13
2468-69G	i5-3230M	4GBx1	14.0" HD+	720p	180G SSD	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT 6	Win7 Pro64	06/13
2468-68G	i5-3230M	4GBx1	14.0" HD+	720p	180G SSD	TP 11b/g/n	Ericsson	selectable	Express 54	Finger	BT 6	Win8 Pro64	06/13
Positioning Processor	<b>Mainstream business performance; two spindles</b> <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)  <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)		
Optical	DVD burner, 12.7mm high, fixed, not removable, tray-in												
SATA disk	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	None												
Widescreen display	Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 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; <b>Maximum external resolution:</b> 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>	14.0W" (WxDxH): 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm												
Weight <sup>2</sup>	6-cell: from 5.11 lb (2.32kg); 9-cell: from 5.48 lb (2.49kg)												
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	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>	Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2												
PCIe WWAN	Some: Wireless WAN upgradable Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS												
SIM card	Some: 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												
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										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

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# ThinkPad L430 2468 (TopSeller) - Windows 8 - III

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	Card slot	Finger print reader	Bat- tery Blue- tooth cells	Preload	Ann Date (mm/yy)
2468-6KG	i5-3320M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	None	BT	6 Win7 Pro64	06/13
2468-6JG	i5-3320M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	None	BT	6 Win8 Pro64	06/13
2468-67G	i5-3320M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6 Win7 Pro64	06/13
2468-66G	i5-3320M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	Finger	BT	6 Win8 Pro64	06/13
2468-6HG	i3-3120M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	None	BT	6 Win7 Pro64	06/13
2468-6GG	i3-3120M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	WWAN upg	None	Express 54	None	BT	6 Win8 Pro64	06/13

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

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 i5-3320M 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>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)
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>Windows 7 models</b> • Lenovo® Message Center Plus • ThinkVantage Product Recovery • Access Connections™ • ThinkVantage Power Manager • Lenovo SimpleTap • Adobe® Reader® • Windows Live™ Essentials • Core!® WinDVD® (DVD±RW) • Core! Burn.Now™ Lenovo Edition (DVD±RW) • Core! DVD MovieFactory® Lenovo Edition (DVD±RW)
mSATA™ SSD	None	- <b>Windows 8 models</b> • Lenovo Support • Lenovo Companion • Lenovo QuickLaunch • AccuWeather • PC Device Stage • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW)
Widescreen display	Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio	- <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
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	Supports ThinkVantage® technologies
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)	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	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>14.0W"</i> (WxDxH): 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm	
Weight <sup>2</sup>	<i>6-cell:</i> from 5.11 lb (2.32kg); <i>9-cell:</i> from 5.48 lb (2.49kg)	
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	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>	11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1	
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	
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>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available	

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-Workhorse (W) Pre-load	Ann Date (mm/yy)
2465-33G	i5-3360M	4GBx1	14.0" HD	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	None	Smart Exp 54	Finger BT 6	W G	Pro 64	06/12
2465-32G	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Smart Exp 54	Finger BT 6	W G	Pro 64	06/12
2465-29G	i5-3360M	4GBx1	14.0" HD+	720p	500G 7200	Intel 6205	WWAN upg	None	None Exp 54	Finger BT 9	G	Pro 64	06/12
2465-2AG	i5-3320M	4GBx1	14.0" HD	720p	500G 7200	Intel 6205	WWAN upg	None	None Exp 54	Finger BT 6	G	Pro 64	06/12
2465-2BG	i5-3360M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	None Exp 54	Finger BT 6	G	Pro 64	06/12
2465-2CG	i5-3320M	4GBx1	14.0" HD	No	320G 7200	Intel 2200	WWAN upg	None	None Exp 54	None BT 6	G	Pro 64	06/12
2465-2DG	i5-3360M	4GBx1	14.0" HD+	720p	320G 7200	Intel 6205	WWAN upg	None	None Exp 54	Finger BT 9	G	Pro 64	06/12
2465-2EG	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	None Exp 54	Finger BT 6	G	Pro 64	06/12
2465-2FG	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	None Exp 54	None No 6	G	Pro 64	06/12
2465-5WG	i5-2520M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	Ericsson	selectable	None Exp 54	Finger BT 6		Pro 64	10/12
2465-5VG	i5-2520M	4GBx1	14.0" HD+	720p	500G 7200	Intel 2200	WWAN upg	None	Smart Exp 54	Finger BT 6		Pro 64	10/12
2465-5UG	i5-2520M	4GBx1	14.0" HD	720p	500G 7200	Intel 2200	WWAN upg	None	None Exp 54	Finger BT 6		Pro 64	10/12
2465-5TG	i5-2520M	4GBx1	14.0" HD	720p	320G 7200	Intel 2200	WWAN upg	None	None Exp 54	Finger BT 6		Pro 64	10/12
2465-5SG	i5-2520M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	None	None Exp 54	Finger BT 6		Pro 64	10/12
2465-5RG	i5-2520M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	None	None Exp 54	Finger BT 6		Pro 64	10/12
2465-5QG	i5-2520M	4GBx1	14.0" HD	720p	500G 7200	TP 11b/g/n	None	None	None Exp 54	Finger BT 6		Pro 64	10/12
2465-5PG	i5-2520M	2GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	None	None Exp 54	Finger BT 6		Pro 64	10/12
Positioning Processor	<p><i>Mainstream business performance; two spindles</i>  <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 i5-3320M 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</p>										<p><b>Preloaded operating system<sup>20</sup></b>                      Genuine Windows® 7 Professional 64</p> <p><b>Ready to install applications<sup>14</sup></b> (only some listed)                      • Rescue and Recovery™                      • Password Manager</p> <p><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)</p>		
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	None												
Widescreen display	Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio												
Camera	Some: 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>												
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>14.0W" (WxDxH):</b> 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm <b>6-cell:</b> from 5.11 lb (2.32kg); <b>9-cell:</b> from 5.48 lb (2.49kg) 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> 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>	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 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												
PCIe WWAN	Some: Wireless WAN upgradable Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS												
SIM card Modem Bluetooth™ Ethernet Intel AMT Audio support	Some: User selectable, contract required with service provider None Some: 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>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available										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



# ThinkPad L430 2465 (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	PCIe Mini Card SIM card	Finger print reader	Blue-tooth	Battery cells	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2465-62G	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	None	Finger	BT	6	G	Win8 Pro64	10/12
2465-65G	i5-3320M	4GBx1	14.0" HD	None	320G 7200	Intel 2200	WWAN upg	None	None	No	6	G	Win8 Pro64	10/12
2465-63G	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Finger	BT	6	G	Win8 Pro64	10/12
2465-64G	i5-3320M	4GBx1	14.0" 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
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)
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 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)
mSATA™ SSD	None										- <b>Windows 8 models</b> • Lenovo Support • Lenovo Companion • Lenovo QuickLaunch • AccuWeather • PC Device Stage • Cyberlink Power2Go (DVD±RW) • Cyberlink PowerProducer (DVD±RW)
Widescreen display	<i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio										- <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) • Skype™
Camera	<i>Some:</i> HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus										Supports ThinkVantage® technologies
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)										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®	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>	14.0W" (WxDxH): 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm										
Weight <sup>2</sup>	6-cell: from 5.11 lb (2.32kg); 9-cell: from 5.48 lb (2.49kg)										
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>	<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	Wireless WAN upgradable										
SIM card	None										
Modem	None										
Bluetooth™	<i>Some:</i> 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										
Security	Power-on password, hard disk password, supervisor password, security keyhole										
Security chip	Trusted Platform Module, TCG 1.2-compliant										
Fingerprint reader	<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 L430 2465 (Optimus)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>9</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Card slot	Finger print reader	Blue-tooth	Bat-tery cells	Preload	Ann Date (mm/yy)
2465-5YG	i5-2520M	4GBx1	14.0" HD+	720p	500G 7200	Intel 6205 <sup>28</sup>	None	Express 54	Finger	BT	6	Pro 64	10/12
2465-5XG	i5-2520M	4GBx1	14.0" HD	720p	500G 7200	Intel 6205	None	Express 54	Finger	BT	6	Pro 64	10/12

- A depot repair service 3-year limited warranty

Positioning Processor	<i>Mainstream business performance; two spindles</i> <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>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 3000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays; <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@85Hz (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>14.0W" (WxDxH):</i> 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm <i>6-cell:</i> from 5.16 lb (2.34kg); <i>9-cell:</i> from 5.52 lb (2.51kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell or 9-cell, HW Authentication <i>6-cell (57Whr):</i> up to 5.6 hr; <i>9-cell (94Whr):</i> up to 9.3 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 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 None 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										Supports ThinkVantage® technologies	
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										90-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>	
Limited warranty <sup>12</sup>	3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available											

See footnotes for more detailed information

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# ThinkPad L430 2466 (Onsite)

Product Specifications Reference (PSREF)

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	Bat- tery cells	Workhorse (W) Global (G) Pre- load (mm/yy)	Ann Date
2466-33G	i5-3360M	4GBx1	14.0" HD	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	Smart	Exp 54	Finger	BT	6	W G P Pro 64	06/12
2466-32G	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	Smart	Exp 54	Finger	BT	6	W G P Pro 64	06/12
2466-3BG	i5-3360M	4GBx1	14.0" HD+	720p	500G 7200	Intel 6205	WWAN upg	None	Exp 54	Finger	BT	9	G P Pro 64	06/12
2466-3CG	i5-3320M	4GBx1	14.0" HD	720p	500G 7200	Intel 6205	WWAN upg	None	Exp 54	Finger	BT	6	G P Pro 64	06/12
2466-3DG	i5-3360M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Exp 54	Finger	BT	6	G P Pro 64	06/12
2466-3EG	i5-3360M	4GBx1	14.0" HD+	720p	320G 7200	Intel 6205	WWAN upg	None	Exp 54	Finger	BT	9	G P Pro 64	06/12
2466-3FG	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Exp 54	Finger	BT	6	G P Pro 64	06/12

• 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,</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											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)	
mSATA™ SSD	None											• ThinkVantage System Update • ThinkVantage Power Manager • Microsoft® Office preloaded; purchase a product key to activate	
Widescreen display	Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio											• Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Windows Live™ Essentials • Corel® WinDVD® (DVD±RW)	
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											• Corel Burn.Now™ Lenovo Edition (DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)	
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)											Supports ThinkVantage® technologies	
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys											65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant	
TrackPoint®	TrackPoint® pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass											International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>	
Touch pad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch												
ThinkLight™	None												
Dimensions <sup>3</sup>	14.0W" (WxDxH): 13.94" x 9.57" x 1.17–1.24"; 354mm x 243mm x 29.6–31.4mm												
Weight <sup>2</sup>	6-cell: from 5.11 lb (2.32kg); 9-cell: from 5.48 lb (2.49kg)												
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	One slot (ExpressCard/34, ExpressCard/54)												
Smart Card read	Some: 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>	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												
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>3-years/1-year battery, 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												

See footnotes for more detailed information

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# ThinkPad L430 2466 (Onsite) - Windows 8

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	SIM card	Finger print reader	Blue-tooth	Bat-tery cells	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2466-62G	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	Intel 6205 <sup>28</sup>	WWAN upg	None	Finger	BT	6	G P	Win8 Pro64	10/12
2466-63G	i5-3320M	4GBx1	14.0" HD	720p	320G 7200	Intel 6205	WWAN upg	None	Finger	BT	6	G P	Win8 Pro64	10/12
2466-64G	i5-3320M	4GBx1	14.0" 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: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable</i>  <i>Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™</i></p>										<ul style="list-style-type: none"> <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>
mSATA™ SSD	None										
Widescreen display	<p><i>Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio</i>  <i>Some: 14.0" (355mm) HD+ (1600x900) color, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio</i></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: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)</i></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>
Keyboard TrackPoint® Touch pad ThinkLight™	<p>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</p>										<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>
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type Battery - life <sup>10</sup> Chipset ExpressCard Smart Card read Multicard Reader Ports	<p><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)</p>										
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem Bluetooth™ Ethernet Intel AMT Audio support	<p>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</p>										<p>Supports ThinkVantage® technologies</p>
Security Security chip Fingerprint reader	<p>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</p>										<p>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></p>
Limited warranty <sup>12</sup>	<p><b>3-years/1-year battery, limited onsite service<sup>24</sup>, 8 am - 5 pm, Mon - Fri coverage</b> excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available</p>										

See footnotes for more detailed information

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