

Lenovo® ThinkPad T430u



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### ThinkPad T430u 8614 (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCle Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Finger print reader	Blue- tooth		Preload	Ann Date (mm/yy)
8614-BDG	i5-3337U	4GBx2	14.0" HD	720p	1T 5400	Intel 2230	Ericsson	selectable	Finger	ВТ	3	Win7 Pro64	06/13

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

Desitioning	AA-ta-ba-sa-18b-sh-sa-17b-sa-sa-ta-ba-	
Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology	Preloaded operating system <sup>20</sup> - Windows® 7 Professional 64 preinstalled through
Memory	8GB max $^7$ (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	downgrade rights in Windows 8 Pro 64-bit
Optical SATA disk	None 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>5</sup> (only some listed) - Windows 7 models
mSATA™ SSD	None	Lenovo® Message Center Plus     ThinkVantage Product Recovery
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	<ul> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> </ul>
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;	Adobe® Reader®     Windows Live™ Essentials     Windows 8 models
Keyboard TrackPoint® Touchpad ThinkLight™	Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz  6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Lenovo Support     Lenovo Companion     Lenovo QuickLaunch     AccuWeather     PC Device Stage
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.08 lb (1.85kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 7.1 hr	All models     Lenovo Solution Center     Password Manager     ThinkVantage System Update     Fingerprint Software (fingerprint models)
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)	Lenovo Cloud Storage     by SugarSync     Microsoft® Office preloaded;     purchase a product key to activate     Norton™ Internet Security
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	(30 days of virus definitions)
SIM card Modem IEEE 1394	User selectable, contract required with service provider None None	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Supports ThinkVantage® technologies
Ethernet Intel AMT Audio support	Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack	65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Gold rating
Security Security chip Fingerprint reade	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	ENERGY STAR® 5.Ŏ-compliant GREENGUARD® certified RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support
Limited warranty <sup>1</sup>	<sup>2</sup> <b>3-years</b> /1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

See footnotes for more detailed information WE model(s) withdrawn effective January 2014

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Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Finger print reader	Blue- tooth	Bat- tery cells	Preload	Ann Date (mm/yy)
8614-ATG	i3-3227U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	Finger	BT	3	Win8 Pro64	03/13
8614-ASG	i3-3227U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	Finger	BT	3	Win7 Pro64	03/13

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

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Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i3-3227U processor (2 cores, 1.90GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology	Preloaded operating system <sup>20</sup> - Some: Windows® 7 Professional 64 preinstalled through
Memory	8GB max $^7$ (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit
Optical SATA disk	None 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>Preloaded applications</b> <sup>5</sup> (only some listed)
mSATA™ SSD	mSATA Solid State Drive (SSD), via PCIe Mini Card slot	- Windows 7 models
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	Lenovo® Message Center Plus     ThinkVantage Product Recovery     Access Connections™     ThinkVantage Power Manager
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 620M, PCI Express® x16, 1GB memory, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays; Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	Lenovo SimpleTap     Adobe® Reader®     Windows Live™ Essentials     Windows 8 models     Lenovo Support     Lenovo Companion
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Lenovo QuickLaunch     AccuWeather     PC Device Stage     All models
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.12 lb (1.87kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic Integrated Li-Polymer 3-cell	Lenovo Solution Center     Password Manager     ThinkVantage System Update     Fingerprint Software (fingerprint models)
Battery - life <sup>10</sup>	3-cell (47Whr): up to 6.6 hr	Lenovo Cloud Storage
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)	by SugarSync  • Microsoft® Office preloaded; purchase a product key to activate  • Norton™ Internet Security (30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter None None None	
IEEE 1394 Bluetooth™ Ethernet	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection	Supports ThinkVantage® technologies 65-watt AC adapter
Intel AMT Audio support	None HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack	ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	GREENGUARD® certified RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>
San footpoton for p	nore detailed information	© Lenovo

# ThinkPad T430u 3353 (TopSeller) - Onsite

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCle Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Finger print reader	Blue- tooth		Preload	Ann Date (mm/yy)
3353-38G	i5-3317U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	Ericsson	selectable	Finger	BT	3	Pro 64	08/12
3353-37G	i5-3317U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	None	Finger	BT	3	Pro 64	08/12

### $\bullet \ Small \ and \ medium \ business \ (SMB) \ model(s), \ part \ of \ the \ WE \ Top Seller^{\intercal M} \ Program$

Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3317U processor (2 cores, 1.70GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology	Preloaded operating system <sup>20F</sup> Genuine Windows® 7 Professional 64
Memory	8GB max <sup>7</sup> (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (only some listed)
Optical SATA disk	None  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™  Commonwealth State Drive (SSD) in Dollar Commonwealth State (SSD) in Dollar Commo	<ul> <li>Rescue and Recovery<sup>™</sup></li> <li>Password Manager</li> <li>Preloaded applications<sup>14</sup> (only some listed)</li> </ul>
mSATA™ SSD	Some: mSATA Solid State Drive (SSD), via PCIe Mini Card slot	Lenovo® Solution Center
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	<ul> <li>Lenovo Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> </ul>
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;  Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	<ul> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</li> <li>Lenovo Cloud Storage</li> </ul>
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	by SugarSync Lenovo SimpleTap Microsoft® Office preloaded; purchase a product key to activate
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.08 lb (1.85kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic	<ul> <li>Norton™ Internet Security 2012 (30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> </ul>
Battery - type Battery - life <sup>10</sup>	Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 7.1 hr	<ul> <li>Evernote®</li> <li>Intel Small Business Advantage</li> </ul>
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)	<ul> <li>RapidBoot HDD Accelerator</li> <li>Symantec™ VIP</li> <li>Windows Live™ Essentials</li> </ul>
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card Modem IEEE 1394 Bluetooth™	Some: User selectable, contract required with service provider None None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Ethernet	Realtek® RTL8111F Gigabit Network Connection	
Intel AMT	None	Supports ThinkVantage® technologies
Audio support Security Security chip Fingerprint reade	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-year battery, limited onsite service <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

# ThinkPad T430u 3353 (TopSeller) - Onsite (Windows 8)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCle Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Finger print reader	Blue- tooth		Preload	Ann Date (mm/yy)
3353-3MG	i5-3317U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	Ericsson	selectable	Finger	ВТ	3	Win7 Pro64	10/12
3353-3LG	i5-3317U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	None	Finger	BT	3	Win7 Pro64	10/12
3353-3JG	i5-3317U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	Ericsson	selectable	Finger	BT	3	Win8 Pro64	10/12
3353-3HG	i5-3317U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	None	Finger	BT	3	Win8 Pro64	10/12
3353-3TG	i5-3337U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	Ericsson	selectable	Finger	BT	3	Win8 Pro64	03/13
3353-3SG	i5-3337U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	Ericsson	selectable	Finger	BT	3	Win7 Pro64	03/13
3353-3RG	i5-3337U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	None	Finger	BT	3	Win8 Pro64	03/13
3353-3QG	i5-3337U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	24GB mSATA	None	Finger	BT	3	Win7 Pro64	03/13

#### $\bullet$ Small and medium business (SMB) model(s), part of the WE TopSeller $^{\text{\tiny{TM}}}$ Program

Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3317U processor (2 cores, 1.70GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology	Preloaded operating system <sup>20</sup> - Some: Windows® 7 Professional 64
	Intel Core i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology	preinstalled through downgrade rights in Windows 8 Pro 64-bit
Memory	8GB max $^7$ (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	- <i>Some:</i> Windows 8 Pro 64-bit <b>Preloaded applications</b> <sup>5</sup> (only some
Optical SATA disk	None Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable	listed)
mSATA™ SSD	Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ Some: mSATA Solid State Drive (SSD), via PCIe Mini Card slot	Windows 7 models     Lenovo® Message Center Plus     ThinkVantage Product Recovery
Widescreen display	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	<ul> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> </ul>
Camera Graphics	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  Intel HD Graphics 4000 in processor,	<ul> <li>Adobe® Reader®</li> <li>Windows Live™ Essentials</li> </ul>
	external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays; Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	Windows 8 models     Lenovo Support     Lenovo Companion
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Lenovo QuickLaunch     AccuWeather     PC Device Stage     All models
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.08 lb (1.85kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic	Lenovo Solution Center Password Manager ThinkVantage System Update Fingerprint Software (fingerprint
Battery - type Battery - life10	Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 7.1 hr	models)  Lenovo Cloud Storage
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)	by SugarSync  • Microsoft® Office preloaded; purchase a product key to activate  • Norton™ Internet Security (30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11b/g/n, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCle Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card Modem IEEE 1394	Some: User selectable, contract required with service provider None None	
Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection	Supports ThinkVantage® technologies
Intel AMT Audio support	None HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack	65-watt AC adapter ThinkPad Roll Cage (bottom cover)
Security Security chip Fingerprint reade	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-year battery, limited onsite service <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCle F Mini Card WLAN	PCIe Mini Ca WWAN/ mSATA	rd SIM card	Finger print reader	Blue- tooth	Bat- tery cells	Preload	Ann Date (mm/yy)
3353-36G	i5-3317U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	None	None	Finger	BT	3	Pro 64	08/12

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

Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3317U processor (2 cores, 1.70GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology	Preloaded operating system <sup>20F</sup> Genuine Windows® 7 Professional 64
Memory	8GB max <sup>7</sup> (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (only some listed)
Optical SATA disk	None 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™	Rescue and Recovery™     Password Manager  Preloaded applications¹⁴ (only some listed)    Preloaded applications   Preloaded applications
mSATA™ SSD	None	listed)  • Lenovo® Solution Center
Widescreen display Camera	<b>14.0</b> " (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	<ul> <li>Lenovo Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> </ul>
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 620M, PCI Express® x16, 1GB memory, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays; Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	<ul> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>Lenovo SimpleTap</li> </ul>
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Microsoft® Office preloaded; purchase a product key to activate     Norton™ Internet Security 2012 (30 days of virus definitions)
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.12 lb (1.87kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 6.6 hr	<ul> <li>Ådobe® Reader®</li> <li>Skype™ for Windows</li> <li>Evernote®</li> <li>Intel Small Business Advantage</li> <li>RapidBoot HDD Accelerator</li> <li>Symantec™ VIP</li> </ul>
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None	Windows Live™ Essentials
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem IEEE 1394	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter None None None None	
Bluetooth™ Ethernet Intel AMT	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection None	Supports ThinkVantage® technologies
Audio support Security Security chip Fingerprint reader	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	<sup>2</sup> <b>3-years</b> /1-year battery, <b>limited onsite service</b> <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

			Wide- screen		Disk SATA	Mini Card	Cle Mini Ca WWAN/		Finger print	Blue-	Bat- tery		Ann Date
Type-model	Processor	Memory	display	Camera	GB <sup>®</sup> rpm	WLAN	mSATA	SIM card	reader	tooth	cells	Preload	(mm/yy)
3353-3KG	i5-3317U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	None	None	Finger	BT	3	Win7 Pro64	10/12
3353-3GG	i5-3317U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	None	None	Finger	BT	3	Win8 Pro64	10/12
3353-3PG	i5-3337U	4GBx1	14.0" HD	720p	180G SSD	Intel 2230	None	None	Finger	BT	3	Win8 Pro64	03/13
3353-3NG	i5-3337U	4GBx1	14.0" HD	720p	180G SSD	Intel 2230	None	None	Finger	BT	3	Win7 Pro64	03/13

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

Desitioning	Made durant Hitalian IIII. and a state	
Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3317U processor (2 cores, 1.70GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology Intel Core i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology	Preloaded operating system <sup>20</sup> Some: Windows <sup>®</sup> 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Memory	8GB max $^7$ (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	- <i>Some:</i> Windows 8 Pro 64-bit <b>Preloaded applications</b> <sup>5</sup> (only some
Optical SATA disk mSATA™ SSD	None 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™  None	listed)  - Windows 7 models  - Lenovo® Message Center Plus  - ThinkVantage Product Recovery
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	<ul> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> <li>Lenovo SimpleTap</li> <li>Adobe® Reader®</li> </ul>
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 620M, PCI Express® x16, 1GB memory, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays; Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	<ul> <li>Windows Live™ Essentials</li> <li>Windows 8 models</li> <li>Lenovo Support</li> <li>Lenovo Companion</li> <li>Lenovo QuickLaunch</li> <li>AccuWeather</li> </ul>
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	PC Device Stage All models Lenovo Solution Center Password Manager
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material  Battery - type Battery - life <sup>10</sup>	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.12 lb (1.87kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 6.6 hr	ThinkVantage System Update Fingerprint Software (fingerprint models) Lenovo Cloud Storage by SugarSync Microsoft® Office preloaded;
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)	purchase a product key to activate  Norton™ Internet Security (30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem IEEE 1394	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter None None None None	
Bluetooth™ Ethernet Intel AMT Audio support  Security Security chip	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant	Supports ThinkVantage® technologies 65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating
Fingerprint reader	AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip  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	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>

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Blue- tooth	Bat- C tery cells	Global (G GMP (P)	i) Preload	Ann Date (mm/yy)
3352-2SG	i5-3427U	4GBx1	14.0" HD	720p	128G SSD	TP 11a/b/g/r	n None	Finger	BT	3	G	Pro 64	08/12

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

Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology	Preloaded operating system <sup>20F</sup> Genuine Windows® 7 Professional 64			
Memory	8GB max <sup>7</sup> (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (only some listed)			
Optical SATA disk	None 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™	Rescue and Recovery™     Password Manager  Preloaded applications¹⁴ (only some listed)  Preloaded applications¹⁴ (only some listed)			
mSATA™ SSD	None	Lenovo® Solution Center			
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	Lenovo Message Center Plus     ThinkVantage Product Recovery     Access Connections™			
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;  Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	Fingerprint Software (fingerprint models)     ThinkVantage System Update     ThinkVantage Power Manager     Lenovo Cloud Storage			
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	by SugarSync Lenovo SimpleTap Microsoft® Office preloaded; purchase a product key to activate			
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material Battery - type	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.08 lb (1.85kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic Integrated Li-Polymer 3-cell	Norton™ Internet Security 2012 (30 days of virus definitions)     Adobe® Reader®     Skype™ for Windows     Evernote®			
Battery - life <sup>10</sup>	<i>3-cĕll (47Whr)</i> : up to 7.1 hr	Intel Small Business Advantage     RapidBoot HDD Accelerator			
Chipset ExpressCard Smart Card read Multicard reader Ports		Symantec™ VIP     Windows Live™ Essentials			
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter None None None				
IEEE 1394 Bluetooth™ Ethernet	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection	Supports ThinkVantage® technologies 65-watt AC adapter			
Intel AMT Audio support	None HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack	ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating			
Security Security chip Fingerprint reade	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	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			
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>			

See footnotes for more detailed information WE model(s) withdrawn effective January 2014

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# ThinkPad T430u 3352 (Windows 8)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card		Blue-	tery	Globa (G) GMP (	al P) Preload	Ann Date (mm/yy)
3352-3KG	i5-3427U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	Ericsson	selectable	Finger	BT	3		Win7 Pro64	10/12
3352-3JG	i5-3427U	4GBx1	14.0" HD	720p	500G 7200	Intel 2230	Ericsson	selectable	Finger	BT	3		Win7 Pro64	10/12
3352-3CG	i5-3427U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	None	None	Finger	BT	3	G	Win8 Pro64	10/12
3352-3TG	i5-3427U	4GBx1	14.0" HD	720p	128G SSD	TP 11a/b/g/n	None	None	Finger	BT	3		Win7 Pro64	12/12
3352-3SG	i5-3427U	4GBx1	14.0" HD	720p	500G 7200	TP 11a/b/g/n	24GB mSATA	None	Finger	BT	3		Win7 Pro64	12/12

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

DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology  ### Memory ### SGB max" (up to 160B max for certains special configuration models only) / Political  ### Some	Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000,	Preloaded operating system <sup>20</sup> - Some: Windows® 7 Professional 64
SATA disk   Some   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   Some	Memory	8GB max <sup>7</sup> (up to 16GB max for certain special configuration models only) /	preinstalled through downgrade rights in Windows 8 Pro 64-bit
mSATA" SSD  Some: mSATA Solid State Drive (SSD), via PCle Mini Card slot  Widescreen display 200 nits, 16:9 aspect ratio, 500:1 contrast ratio 200 nits, 16:9 aspect ratio, 500:1 contrast ratio 200 nits, 16:9 aspect ratio, 500:1 contrast ratio 300 nits, 16:9 aspect ratio, 500:1 contrast ratio 400 nits aspect ratio, 500:1 contrast ratio 500 nits, 16:9 aspect ratio, 500:1 contrast ratio, 10:1 pin		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,	Preloaded applications <sup>5</sup> (only some
Widescren display 200 nits, 16.9 aspect ratio, 5001: contrast ratio Camera HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  Intel HD Graphics 4000 in processor, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays: Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI) @ 60Hz  Keyboard TrackPoint* TrackPoint* TrackPoint* TrackPoint* TrackPoint* Touchpad UltraNav*, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions Dimensions³ Jelien 4.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (WxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm John 1.0W* (MxDxH*): 13.39* x 9.29* x 0.83*; 340mm x 236mm x 21mm	mSATA™ SSD		
external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;  Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz  Keyboard TrackPoints TrackPoints pointing device, Internet Scroll Bar¹³ TrackPoint* pointing device, Internet Scroll Marì* pointing track or a device of the Scroll Bar¹³ TrackPoint* pointing device, Internet Scroll Marì* pointing track or a device of track or a device	display	200 nits, 16:9 aspect ratio, 500:1 contrast ratio	<ul> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> <li>ThinkVantage Power Manager</li> </ul>
Keyboard TrackPoint** None Neight*  14.0W** None Neither to the keyboard to improve visibility in low-light conditions  14.0W** None Neither to the keyboard to improve visibility in low-light conditions  15.0C Admin x 236mm x 21mm  15.0C All models  15.0	Graphics	external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;	<ul> <li>Adobe® Reader®</li> <li>Windows Live™ Essentials</li> </ul>
Weight 3-cell: from 4.08 ib (1.85kg) Case material Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic Integrated Li-Polymer 3-cell Arthyn): up to 7.1 hr  Chipset SpressCard Smart Card read Multicard reader Ports PCIe Mini Card PCIe WLAN¹ PCIe WLAN¹ Some: 11al/b/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter Some: 11bl/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter Some: User selectable, contract required with service provider Modem Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Bthernet Intel AMT Audio support Audio support Fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security Crip Fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, 24 hour x 7 day¹6 toll-free support	TrackPoint® Touchpad	TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch	<ul><li>Lenovo Support</li><li>Lenovo Companion</li><li>Lenovo QuickLaunch</li><li>AccuWeather</li></ul>
Batterý - lífe¹o 3-céll (47Whr): up to 7.1 hr  Chipset ExpressCard Smart Card read Ports Wone Wone 4-in-1 reader (MMC, SD, SDHC, SDXC) Ports Wo USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  PCle Mini Card PCle WLAN⁴ Some: 11a/b/g/n, PCle Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter Some: 11b/g/n, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter Some: Wireless WAN, Ericsson® +15321 gw Mobile Broadband Module, PCle Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS SIM card Modem IEEE 1394 None Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection None Letternet Intel AMT None Audio support Woldio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	Weight <sup>2</sup> Case material	3-cell: from 4.08 lb (1.85kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic	- All models  • Lenovo Solution Center  • Password Manager
Chipset ExpressCard Smart Card reader Multicard reader Ports PCle Mini Card PCle WLAN <sup>4</sup> PCle WWAN Some: 11a/b/g/n, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter Some: User selectable, contract required with service provider Modem None Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Intel AMT Audio support Audio support Audio support Fingerprint reader PCle Wini Card AuthenTec fingerprint reader Fingerprint reader AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, Supports  Mobile Intel UM77 Express Chipset Aunon Au			
PCIe MIni Card PCIe WLAN4 PCIe WLAN4 PCIe WLAN4 PCIe WLAN4 PCIe WLAN4 Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter PCIe WWAN Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS SIM card Modem None IEEE 1394 None Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Intel AMT None Audio support HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Fingerprint reader Fingerprint reader AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports Minicard, ThinkPad Roll Cage (bottom cover) Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Fingerprint reader AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip  Power-on password the keyboard bezel, swipe sensor, LED indicator, supports the security chip	Chipset ExpressCard Smart Card read	Mobile Intel UM77 Express Chipset None None	models)  • Lenovo Cloud Storage by SugarSync
PCIe WWAN  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA+, GPS  SIM card  Some: User selectable, contract required with service provider  Modem  IEEE 1394  None  Bluetooth™ Bluetooth™ Bluetooth A.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  Ethernet  Intel AMT  Audio support  Audio support  Security  Security  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 the keyboard bezel, swipe sensor, LED indicator, supports the security chip  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA+, GPS  Supports ThinkVantage® technologies  Supports ThinkVantage® technologies  65-watt AC adapter  ThinkPad Roll Cage (bottom cover)  EPEAT™ Silver rating  ENERGY STAR® 5.0-compliant  GREENGUARD® certified  RoHS-compliant  International Warranty Service¹7  24 hour x 7 day¹8 toll-free support			purchase a product key to activate
SIM card Some: User selectable, contract required with service provider  Modem None IEEE 1394 None Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Realtek® RTL8111F Gigabit Network Connection Intel AMT None Audio support HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone 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 the keyboard bezel, swipe sensor, LED indicator, supports the security chip	Ports PCIe Mini Card	Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2,	purchase a product key to activate  • Norton™ Internet Security
Ethernet Intel AMT Audio support HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Security chip Trusted Platform Module, TCG 1.2-compliant Fingerprint reader Fingerprint reader Fingerprint reader Fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	Ports PCIe Mini Card PCIe WLAN <sup>4</sup>	Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2,  Wi-Fi + Bluetooth combo adapter  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,	purchase a product key to activate  • Norton™ Internet Security
Intel AMT Audio support Audio support Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Security Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Fingerprint reader AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	Ports PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem IEEE 1394	Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2,  Wi-Fi + Bluetooth combo adapter  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,  GPRS/WCDMA/HSPA/HSPA+, GPS  Some: User selectable, contract required with service provider  None	purchase a product key to activate  • Norton™ Internet Security (30 days of virus definitions)
Security chip Trusted Platform Module, TCG 1.2-compliant Fingerprint reader AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip  Trusted Platform Module, TCG 1.2-compliant RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support	Ports PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem IEEE 1394 Bluetooth™	Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2,  Wi-Fi + Bluetooth combo adapter  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,  GPRS/WCDMA/HSPA/HSPA+, GPS  Some: User selectable, contract required with service provider  None  None  Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	purchase a product key to activate  • Norton™ Internet Security (30 days of virus definitions)  Supports ThinkVantage® technologies
	Ports PCIe Mini Card PCIe WLAN⁴  PCIe WWAN  SIM card Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support	Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2,  Wi-Fi + Bluetooth combo adapter  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,  GPRS/WCDMA/HSPA/HSPA+, GPS  Some: User selectable, contract required with service provider  None  None  Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  Realtek® RTL8111F Gigabit Network Connection  None  HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack	purchase a product key to activate Norton™ Internet Security (30 days of virus definitions)  Supports ThinkVantage® technologies 65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant
	Ports PCIe Mini Card PCIe WLAN⁴  PCIe WWAN  SIM card Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support  Security Security chip	Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)  Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA+, GPS  Some: User selectable, contract required with service provider  None  None  Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter  Realtek® RTL8111F Gigabit Network Connection  None  HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack  Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant  AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator,	purchase a product key to activate Norton™ Internet Security (30 days of virus definitions)  Supports ThinkVantage® technologies 65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant International Warranty Service¹7

### ThinkPad T430u 6273 (Onsite)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCle Mini Card WLAN	PCIe Mini Care WWAN/ mSATA	d Finger print reader	Blue- tooth	Bat- C tery cells	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
6273-2SG	i5-3427U	4GBx1	14.0" HD	720p	128G SSD	TP 11a/b/g/n	None	Finger	BT	3	GΡ	Pro 64	08/12

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

Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology	Preloaded operating system <sup>20F</sup> Genuine Windows® 7 Professional 64
Memory	8GB max <sup>7</sup> (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (only some listed)
Optical SATA disk	None 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™	<ul> <li>Rescue and Recovery™</li> <li>Password Manager</li> <li>Preloaded applications¹⁴ (only some</li> </ul>
mSATA™ SSD	None	listed)  • Lenovo® Solution Center
Widescreen display Camera	<b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	<ul> <li>Lenovo Message Center Plus</li> <li>ThinkVantage Product Recovery</li> <li>Access Connections™</li> </ul>
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;  Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	<ul> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</li> <li>Lenovo Cloud Storage</li> </ul>
Keyboard TrackPoint <sup>®</sup> Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	by SugarSync  • Lenovo SimpleTap  • Microsoft® Office preloaded; purchase a product key to activate
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.08 lb (1.85kg) Display cover: Aluminum; Bottom: Glass-Fiber Reinforced Plastic	<ul> <li>Norton™ Internet Security 2012 (30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> </ul>
Battery - type Battery - life <sup>10</sup>	Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 7.1 hr	<ul> <li>Evernote®</li> <li>Intel Small Business Advantage</li> </ul>
Chipset ExpressCard Smart Card read Multicard reader Ports		<ul> <li>RapidBoot HDD Accelerator</li> <li>Symantec<sup>™</sup> VIP</li> <li>Windows Live<sup>™</sup> Essentials</li> </ul>
PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN SIM card Modem IEEE 1394 Bluetooth <sup>TM</sup>	Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter None None None None None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Ethernet Intel AMT	Realtek® RTL8111F Gigabit Network Connection None	Supports ThinkVantage® technologies
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 /	65-watt AC adapter
	dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>1</sup>	<sup>2</sup> 3-years/1-year battery, limited onsite service <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

# ThinkPad T430u 6273 (Onsite) - Windows 8

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Blue- tooth	Bat- tery cells	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
6273-23G	i5-3427U	4+2GB	14.0" HD	720p	500G 7200	TP 11a/b/g/n	n None	Finger	BT	3	GΡ	Win8 Pro64	10/12
6273-24G	i5-3427U	8GBx1	14.0" HD	720p	500G 7200	TP 11a/b/g/n	n None	Finger	BT	3	GΡ	Win8 Pro64	10/12
6273-25G	i5-3427U	8GBx1	14.0" HD	720p	1T 5400	TP 11a/b/g/n	n None	Finger	BT	3	GΡ	Win8 Pro64	10/12
6273-26G	i5-3427U	4GBx1	14.0" HD	720p	500G 7200	TP 11a/b/g/n	n None	Finger	BT	3	GΡ	Win8 Pro64	10/12
6273-3CG	i5-3427U	4GBx1	14.0" HD	720p	128G SSD	Intel 2230	None	Finger	BT	3	GΡ	Win8 Pro64	10/12
6273-3DG	i5-3337U	2GBx1	14.0" HD	720p	128G SSD	WLAN upg	None	Finger	No	3	GΡ	Win8 Pro64	03/13

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

Positioning Processor	Mainstream Ultrabook™; one spindle Intel® Core™ i5-3337U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000,	Preloaded operating system <sup>20</sup> - Windows® 8 Pro 64-bit
110063301	DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.70GHz), HT technology Intel Core i5-3427U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.80GHz), HT technology	Preloaded applications <sup>5</sup> (only some listed)
Memory	8GB max <sup>7</sup> (up to 16GB max for certain special configuration models only) / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Windows 7 models     Lenovo® Message Center Plus Think Verstage Description
Optical SATA disk	None 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™	ThinkVantage Product Recovery     Access Connections™     ThinkVantage Power Manager     Lenovo SimpleTap     Adobe® Reader®
mSATA™ SSD	None	Windows Live™ Essentials
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	Windows 8 models     Lenovo Support     Lenovo Companion
Graphics	Intel HD Graphics 4000 in processor, external digital monitor support via HDMI™ or Mini DisplayPort supports three independent displays;  Maximum external resolution: 2560x1600 (Mini-DisplayPort or HDMI)@60Hz	Lenovo QuickLaunch     AccuWeather     PC Device Stage     All models
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	Lenovo Solution Center     Password Manager     ThinkVantage System Update     Fingerprint Software (fingerprint
Dimensions <sup>3</sup> Weight <sup>2</sup> Case material	14.0W" (WxDxH): 13.39" x 9.29" x 0.83"; 340mm x 236mm x 21mm 3-cell: from 4.08 lb (1.85kg) Display cover: Bottom: Aluminum; Glass-Fiber Reinforced Plastic	models)  Lenovo Cloud Storage by SugarSync  Microsoft® Office preloaded;
Battery - type Battery - life <sup>10</sup>	Integrated Li-Polymer 3-cell 3-cell (47Whr): up to 7.1 hr	<ul> <li>purchase a product key to activate</li> <li>Norton™ Internet Security</li> </ul>
Chipset ExpressCard Smart Card read Multicard reader Ports	Mobile Intel UM77 Express Chipset None None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, external monitor (Mini DisplayPort, HDMI), ethernet (RJ-45)	(30 days of virus definitions)
PCIe Mini Card PCIe WLAN <sup>4</sup>	Two PCI Express Mini Card slots Some: Wireless LAN upgradable Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + Bluetooth combo adapter	
PCIe WWAN SIM card Modem IEEE 1394 Bluetooth™	None None None None Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Ethernet Intel AMT	Realtek® RTL8111F Gigabit Network Connection None	Supports ThinkVantage® technologies
Audio support Security Security chip	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant r AuthenTec fingerprint reader on the keyboard bezel, swipe sensor, LED indicator, supports the security chip	65-watt AC adapter ThinkPad Roll Cage (bottom cover) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant
Limited warranty <sup>12</sup>	<sup>2</sup> 3-years/1-year battery, limited onsite service <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding public and national holidays. Calls received after 3 pm will require an additional next business day for service dispatch / service upgrades available	International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>