

Product Specifications Reference Lenovo® ThinkPad® S/E Notebooks 2013 to present - withdrawn

May 2014 - Version 454 (Western Europe)



ThinkPad Edge E530

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Summary of Changes

This section describes the withdrawn products which are added in this edition and in previous editions.

May 27, 2014 - Version 454

► Withdrawn product(s)

E130/E135 are withdrawn and added in the book E330/E335 are withdrawn and added in the book

ThinkPad Edge E130, E135





Lenovo® ThinkPad Edge E130



Lenovo ThinkPad Edge E130



Lenovo ThinkPad Edge E130



Lenovo ThinkPad Edge E130



Lenovo ThinkPad Edge E130



Lenovo ThinkPad Edge E130

Type-model	Processor	Memory	Wide- screen display	Screen type	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Blue- tooth	Preload	Ann Date (mm/yy)
3358-5GG	Pen 977	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Black	BT	None	05/12
3358-5FG	Pen 977	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Red	BT	Prem 64	05/12
3358-5EG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	16GB mSATA	None	Red	BT	Prem 64	05/12
3358-5DG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Pro 64	05/12
3358-6SG	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Blue	BT	Prem 64	06/12
3358-28G	i3-2367M	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Pro 64	06/12
3358-7DG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Prem 64	08/12
3358-7CG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Pro 64	08/12
3358-8DG	Pen 997	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Black	BT	DOS-Lic.	10/12
3358-B8G	i3-3227U	4GBx1	11.6" HD	glossy	720p	500G 7200	Intel 2230	None	None	Black	BT	DOS-Lic.	03/13
3358-BBG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	DOS-Lic.	04/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Pentium® 977 processor (2 cores, 1.40GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Pentium 997 processor (2 cores, 1.60GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2367M processor (2 cores, 1.40GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology 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 - Some: No operating system - Some: DOS-Lic Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications¹⁴ (Windows 7 models; only some listed) • OneKey Recovery Pro • Password Manager
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications ¹⁴ (Windows 7 models; only some listed)
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™ Some: mSATA Solid State Drive (SSD), via PCle Mini Card slot	Lenovo® Solution Center Lenovo Message Center Plus ThinkVantage Product Recovery Access Connections™ TrueSuite™ (fingerprint models)
Widescreen display	Some: 11.6" (295mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	ThinkVantage System Update ThinkVantage Power Manager Lenovo Cloud Storage by SugarSync Lenovo SimpleTap
Graphics	Intel HD Graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Evernote® Intel Small Business Advantage
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials Microsoft® Office preloaded;
Dimensions ³ Weight ² Case color	11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom	purchase a product key to activate
Case material Battery - type ³⁷ Battery - life ¹⁰	Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4Whr): up to 8.5 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter	
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card Modem	Some: User selectable, contract required with service provider None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection None HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 /	65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None r None	(Windows 7 models) RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
	² 1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Screen type	Camera	Disk SATA GB [®] rpm	PCle Mini Card WLAN	PCIe Mini Car WWAN /mSATA	d SIM card	Top color	Blue- tooth	Preload	Ann Date (mm/yy)
3358-8SG	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	10/12
3358-8RG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	10/12
3358-8QG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Win7 Pro64	10/12
3358-8CG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Blue	BT	Win8 64	10/12
3358-8BG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Win8 Pro64	10/12
3358-8AG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	10/12
3358-89G	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	16GB	None	Red	BT	Win8 64	10/12
3358-88G	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	10/12
3358-87G	i3-2365M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 64	10/12
3358-86G	Pen 997	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	None	None	Red	BT	Win8 64	10/12
3358-9GG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 64	01/13
3358-9FG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win7 Pro64	01/13
3358-9EG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	320G 7200	Intel 2230	None	None	Black	BT	Win8 Pro64	01/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Pentium® 997 processor (2 cores, 1.60GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2365M processor (2 cores, 1.40GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2375M processor (2 cores, 1.50GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-3217U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications (only some listed)
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	- Windows 7 models Access Connections™ ThinkVantage Power Manager
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™ Some: 16GB mSATA Solid State Drive (SSD), via PCle Mini Card slot	ThinkVantage Tools Lenovo SimpleTap Adobe® Reader®
Widescreen display	Some: 11.6" (295mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), 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 Lenovo Mobile Access Lenovo Cloud Storage
Graphics	Intel HD Graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	All models ThinkVantage System Update Norton™ Internet Security (30 days of virus definitions) Skype™
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	Microsoft Office preloaded; purchase a product key to activate
Dimensions ³ Weight ² Case color	11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom	
Case material Battery - type ³⁷ Battery - life ¹⁰	Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4Whr): up to 8.5 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard Multicard Reader Ports	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter	
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card Modem	Some: User selectable, contract required with service provider 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® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	RoHS-compliant International Warranty Service ¹⁷
	² 1-year - depot repair service / service upgrades ²² available	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Screen type	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN	PCIe Mini Ca WWAN /mSATA	rd SIM card	Top color	Blue- tooth	Preload	Ann Date (mm/yy)
3358-B2G	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	None	None	Black	ВТ	Win8 64	02/13
				0	- 1-		0						
3358-AZG	i3-2375M	4GBx1	11.6" HD	anti-glare	720p	500G 5400	Intel 2230	None	None	Black	BT	Win7 Pro64	02/13
3358-AYG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	None	None	Red	BT	Win8 64	02/13
3358-AXG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11a/b/g/n	None	None	Black	BT	Win7 Pro64	02/13
3358-AWG	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Black	BT	Win7 Pro64	02/13
3358-B7G	i3-3227U	4GBx1	11.6" HD	anti-glare	720p	500G 7200	Intel 2230	Ericsson	Selectable	Blue	BT	Win8 64	03/13
3358-BEG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	None	None	Black	BT	Win8 64	05/13
3358-BDG	i3-3217U	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	None	None	Black	BT	Win7 Pro64	05/13

<u> </u>		
Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i3-2375M processor (2 cores, 1.50GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-3217U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology 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 system²⁰ Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit Some: Windows 8 64-bit
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications (only some listed) - Windows 7 models
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™ None	 Access Connections™ ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap
Widescreen display	Some: 11.6" (295mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	Adobe® Reader® Windows 8 models Lenovo Support Lenovo Companion
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	 Lenovo Mobile Access
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	 Lenovo Cloud Storage All models ThinkVantage System Update Norton™ Internet Security
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	 (30 days of virus definitions) Skype™ Microsoft Office preloaded; purchase a product key to activate
Dimensions ³ Weight ² Case color	11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom	
Case material Battery - type ³⁷ Battery - life ¹⁰	Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4Whr): up to 8.5 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴	Two PCI Express Mini Card slots Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/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 + BT combo adapter	
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA+, GPS	
SIM card Modem	Some: User selectable, contract required with service provider None	
Bluetooth™ Ethernet Intel AMT	Rono Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection None	Supports ThinkVantage® technologies
Audio support	HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole None	RoHS-compliant .
Fingerprint reader		International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Screen type	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue- tooth	Bat- tery cells	Preload	Ann Date (mm/yy)
3359-64G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Pro 64	07/12
3359-62G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Red	None	BT	6	Prem 64	07/12
3359-5ZG	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	Prem 64	07/12
3359-5YG	E2-1800	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Red	None	BT	6	Prem 64	07/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle AMD Accelerated Processor E-300 (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, integrated DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E2-1800 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications ¹⁴ (only some listed)
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	OneKey Recovery Pro Password Manager
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™	Preloaded applications ¹⁴ (only some listed) • Lenovo® Solution Center • Lenovo Message Center Plus
mSATA™ SSD Widescreen display Camera	None Some: 11.6" (295mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	ThinkVantage Product Recovery Access Connections™ ThinkVantage System Update ThinkVantage Power Manager Lenovo Cloud Storage by SugarSync
Graphics	AMD Radeon HD 6310 or 7340 graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz	Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Evernote®
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	RapidBoot HDD Accelerator Symantec™ VIP Windows Live™ Essentials Microsoft Office preloaded;
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷	11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication	purchase a product key to activate
Battery - life ¹⁰	6-cell (62.4Whr): up to 8.5 hr	
Chipset ExpressCard Multicard Reader Ports	AMD A68M FCH Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴ PCIe WWAN	One PCI Express Mini Card slot Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter None	
SIM card Modem	None None	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Supports ThinkVantage® technologies
Ethernet Audio support Security	Realtek® RTL8111F Gigabit Network Connection HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Security chip Fingerprint reader	None None	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Screen type	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue- tooth	Bat- tery cells	Preload	Ann Date (mm/yy)
3359-65G	E-300	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	07/12
3359-63G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	07/12
3359-7EG	E2-2000	4GBx1	11.6" HD	glossy	720p	500G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	03/13
3359-7FG	E2-2000	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Black	None	BT	6	DOS-Lic.	04/13

AMD Accelerated Processor €-300 (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon** IM D 6310 Graphics, DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E2-1800 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor E2-2000 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) and Cache (and the control of the con			
dual-channet capable, two 204-pin SO-DIMM sockets	Positioning Processor	AMD Accelerated Processor É-300 (dual-core, 1.30GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310 Graphics, DDR3 memory controller (up to 1066MHz) AMD Accelerated Processor E2-1800 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor E2-2000 (dual-core, 1.75GHz, 1MB L2 cache),	
SATA disk Hard Disk Drive / SATA 3.0Gb/s, 2.5° wide, 7mm high, removable, upgradable, Active Protection System™ None Midescreen display	Memory	dual-channel capable, two 204-pin SO-DİMM sockets	
Midescreen display Some: 11.6" (295mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 40:01 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 50:01 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus AMD Radeon HD 6310 or 7340 graphics in processor, external analog monitor support via WGA DB-15 connector and digital monitor support via WGA DB-15 connection HD Audifol, Balak ALC 2020c code, Supports Minitor Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Relater' Tippor base of the WGA DB-15, HDMI), ethernet (RJ-45) Supports ThinkVantage® technologie Buetooth™ Buetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Relater' Talcagabil Network Connection None None Supports ThinkVantage® technologie Buetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Relater' Talcagabil Network Connection None None None None None None AMD Radeon HD 6310 or 7340 graphics in processor, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) Supports ThinkVantage® technologie Bosuports ThinkVantage® technologie Bosuport	Optical SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™	
LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy),			
AMD Radeon HD 6310 or 7340 graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI'm' (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz Keyboard FrackPoint* TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNax* buttonless touchpad below keyboard, multi-touch None Jimensions* 11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Budadiene-Styrene (ABS) plastic Lithium lon 6-cell. HW Authentication 6-cell (G2.4Whr): up to 8.5 hr AMD A68M FCH Chipset None AMD		LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
external analog monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA) @ 60Hz; 1920x1200 (HDMI) @ 60Hz Keyboard FrackPoint® TrackPoint® TrackPoint pointing device, Internet Scroll Bar¹³ TrackPoint® TrackPoint pointing device, Internet Scroll Bar¹³ TrackPoint® TrackPoint pointing device, Internet Scroll Bar¹³ TrackPoint pointing device, Internet	Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	
TrackPoint pointing device, Internet Scfoll Bar¹³ TrackPoint pointing device, Internet Scfoll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None 3.1.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 3.6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side); black bottom Case material Battery - type³² Battery - life¹⁰ Case (Lithium lon 6-cell, HW Authentication 6-cell (62.4Whr): up to 8.5 hr Chipset ExpressCard Multicard Reader ExpressCard Multicard Reader Corts One PCI Express Mini Card slot 11b/g/n, PCle Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter PCIe WLAN⁴ PCIe WLAN⁴ PCIe WLAN⁴ PCIe WLAN⁴ Billuctooth™ Billuctooth™ Billuctooth™ Billuctooth™ Billuctooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter PCHernet HAudio support Bealtek RTL8111F Gigabit Network Connection HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Fingerprint reader TrackPoint pointing device, Internet Scfoll Bar¹³ 11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 21.28mm x 21.7-23mm 22.29mm x 21.7-23mm 23.20mm x 21.7-23mm 24.20mm x 21.7-23mm 24.20mm x 21.7-23mm 24.20mm x 21.7-23mm 25.20mm x 21.7-23mm 26.20mm x 21.7-23mm 26.20mm x 21.7-23mm 26.20mm x 21.7-23mm 26.20mm x 21.7-23mm 27.20mm x 21.7-23mm 27.20	Graphics	external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;	
## Page 1/2 ## Page 2/2 ## P	Keyboard TrackPoint® Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch	
Eattery - type³7 Battery - life¹0 Batte	Dimensions ³ Weight ² Case color	6-cell: from 3.40 lb (1.54kg) Midnight black, Heatwave red, or Arctic blue (top), trimmed with a thin silver band (side);	
None Multicard Reader Multicard Reader Multicard Reader Ports One PCI Express Mini Card Science WLAN4 PCIe Mini Card PCIe WLAN4 PCIe WLAN4 None Modem None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Bluetooth Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Realtek® RTL8111F Gigabit Network Connection Audio support HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader None None None Supports ThinkVantage® technologie 65-watt AC adapter RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support	Case material Battery - type ³⁷ Battery - life ¹⁰	Lithium Ion 6-cell, HW Authentication	
PCIe Mini Card PCIe WLAN⁴ PCIe WLAN⁴ PCIe WWAN None None None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Audio support Audio support HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack PCIe WWAN None None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Audio support HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Fingerprint reader None One PCI Express Mini Card slot 11b/g/n, 1x1, Wi-Fi + BT combo adapter Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Supports ThinkVantage® technologies Supports ThinkVantage® technologies Supports ThinkVantage® technologies Fingerprint reader None 65-watt AC adapter RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support	Chipset ExpressCard Multicard Reader Ports	None 4-in-1 reader (MMC, SD, SDHC, SDXC)	
Bluetooth™ Ethernet Audio support HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Fingerprint reader None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Bupports ThinkVantage® technologie Supports ThinkVantage® technologie 65-watt AC adapter RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support	PCIe Mini Card PCIe WLAN ⁴ PCIe WWAN SIM card	One PCI Express Mini Card slot 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter None None	
Ethernet Audio support Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Fingerprint reader None Supports ThinkVantage® technologies 65-watt AC adapter RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support	Bluetooth™		
stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole Security chip None Fingerprint reader None 10	Ethernet	Realtek® RTL8111F Gigabit Network Connection	Supports ThinkVantage® technologies
Security Power-on password, hard disk password, supervisor password, security keyhole Security chip None Fingerprint reader None Security Roward Security Reyhole International Warranty Service 17 24 hour x 7 day 18 toll-free support	Audio support		- 11
24 flour X 7 day toil-flee support	Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	RoHS-compliant International Warranty Service ¹⁷

Type-model	Processor	Memory	Wide- screen display	Screen type	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN	Top color	Finger print reader	Blue- tooth	Bat- tery cells	Preload	Ann Date (mm/yy)
3359-6EG	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	ВТ	6	Win7 Pro64	10/12
3359-68G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11b/g/n	Black	None	BT	6	Win8 64	10/12
3359-67G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	500G 7200	TP 11b/g/n	Red	None	BT	6	Win8 64	10/12
3359-66G	E2-1800	4GBx1	11.6" HD	anti-glare	720p	320G 7200	TP 11a/b/g/n	Black	None	BT	6	Win8 Pro64	10/12
3359-72G	E2-2000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Red	None	BT	6	Win8 64	02/13
3359-6ZG	E2-2000	4GBx1	11.6" HD	anti-glare	720p	500G 5400	TP 11a/b/g/n	Black	None	BT	6	Win7 Pro64	02/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle AMD Accelerated Processor E2-1800 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor E2-2000 (dual-core, 1.75GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	- Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, removable, upgradable, Active Protection System™ None	Preloaded applications (only some listed) - Windows 7 models - Access Connections™ - ThinkVantage Power Manager
Widescreen display	Some: 11.6" (295mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 11.6" (295mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	ThinkVantage Tools Lenovo SimpleTap Adobe® Reader®
Graphics	AMD Radeon HD 7340 graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz	- Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage - 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 None	 ThinkVantage System Update Norton™ Internet Security (30 days of virus definitions) Skype™ Microsoft Office preloaded;
Dimensions ³ Weight ² Case color	11.6W" (WxDxH): 11.30" x 8.35" x 0.85-0.91"; 287mm x 212mm x 21.7-23mm 6-cell: from 3.40 lb (1.54kg) Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom	purchase a product key to activate
Case material Battery - type ³⁷ Battery - life ¹⁰	Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4Whr): up to 8.5 hr	
Chipset ExpressCard Multicard Reader Ports	AMD A68M FCH Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴	One PCI Express Mini Card slot Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad 11a/b/g/n, 2x2, Wi-Fi + BT combo adapter	
PCIe WWAN SIM card	None None	
Modem Bluetooth™	None Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	Supports ThinkVantage® technologies
Ethernet Audio support Security Security chip	Realtek® RTL8111F Gigabit Network Connection HD Audio, Realtek ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2 watt x 2 / monaural digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7
Fingerprint reader Limited warranty ¹²	r None ² 1-year - depot repair service / service upgrades ²² available	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced October 23, 2012 or February 19, 2013 WE model(s) withdrawn effective April 1, 2014





Lenovo® ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E335

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN / BT	PCle Mini Card WWAN /mSATA	SIM card	Top color	Bat- tery cells	Preload	Ann date (mm/yy)
3354-4SG	i3-2370M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Prem 64	05/12
3354-4RG	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	05/12
3354-4QG	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Pro 64	05/12
3354-95G	Pen B970	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Prem 64	06/12
3354-96G	i3-2370M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	06/12
3354-9RG	i3-2328M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Prem 64	08/12
3354-9QG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	08/12

DDR3 memory controller (up to 1333MHz) Intel Core* in 5-232MM processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DR3 memory controller (up to 1333MHz), HT technology intel Core 13-2370M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 3000, DR3 memory controller (up to 1333MHz), HT technology intel Core 13-2370M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 3000, DR3 memory controller (up to 1333MHz), HT technology with the core of t	Docitioning	Conhistinated design with quality durability and valiability for CMD quaternary and animalia	Built and a second second
Memory ### Signary / Picz-12800 region/lat 2 DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets ### System automatically clocks down for processors with 1333MHz DDR3 memory controller ### Processors with 1333MHz ddrs. ### Processors wit	Processor	Intel® Pentium® B970 processor (2 cores, 2.30GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2370M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 3000,	- Some: DOS-Lic Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64
SATA disk	Memory	two 204-pin SO-DIMM sockets	(Windows 7 models; only some listed)OneKey Recovery Pro
Widescreen display Camera HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus Intel HD Graphics or Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display. Max external resolution: 2048x1536 (VGA) @ 75Hz; 2560x1600 (HDMI) @ 60Hz Keyboard TrackPoint* TrackPoint* or Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display. Max external resolution: 2048x1536 (VGA) @ 75Hz; 2560x1600 (HDMI) @ 60Hz Keyboard TrackPoint* TrackPoint* or Intel HD Graphics 3000 in processor, attention and the support of the support o	Optical SATA disk mSATA™ SSD	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	Preloaded applications¹⁴ (Windows 7 models; only some listed) • Access Connections™
external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display: Max external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz Keyboard TrackPoint® 17ackPoint® 17ackPoint® 17ackPoint® 17ackPoint® 17ackPoint® 17ackPoint® 17ackPoint® 17ackPoint® 17ackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³3 UltraNav™, buttonless touchpad below keyboard None Dimensions® 40-eceli: from 3.97 ib (1.80kg) Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylontrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication Battery - Itle® (2.4 Whr): up to 7.5 hr Chipset ExpressCard Multicard Reader Ports Ports Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Wi-Fi / BT combo adapter Some: 11a/b/g/n, PCle Half Mini Card, ThinkPad a/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 / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCle Half Mini Card, T	Widescreen display Camera	13.3" (338mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap
TrackPoint* TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ Touchpad UltraNav™, buttonless touchpad below keyboard None 13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm 6-cell: from 3.97 lb (1.80kg) Case color Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium ion 6-cell, HW Authentication Battery - type³* Midright black or Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium ion 6-cell, HW Authentication Battery - type³* Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Will AN¹ Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi/ BT combo adapter Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi/ BT combo adapter Some: User selectable, contract required with service provider None Bluetooth None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F None Bluetooth 4.0 wireless, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Security chip Fingerprint reader None	Graphics	external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;	(30 days of virus definitions) • Adobe® Reader®
Weight? Case color Case material Battery - type³7 Battery - life¹0 Chipset ExpressCard Multicard Reader Ports Ports Pole Muni Card PCIe WLAN¹ PCIe WWAN Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, WF-i /B T combo adapter Some: 11a/b/g/n, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS SIM card Modem Bluetooth™ Ethernet Gigabit ethernet, Realtek® FTL8111F None Audio support Audio support Security chip Security chip Security chip Fingerprint reader None Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer ed (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pustwer	Keyboard TrackPoint® Touchpad ThinkLight™	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard	
ExpressCard Multicard Reader Ports Wo USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card PCIe WLAN⁴ Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/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 / BT combo adapter Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS SIM card Modem Some: User selectable, contract required with service provider None Bluetooth™ Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F None Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader None None None None N	Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 3.97 lb (1.80kg) Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication	
PCIe WLAN ⁴ Some: 11a/bg/n, PCIe Half Mini Card, ThinkPad a/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 / BT combo adapter Some: Wi-Fi / BT combo adapter Some: Wi-Fi / BT combo adapter Wi-Fi / BT combo adapter Some: Wi-Fi / BT combo a	Chipset ExpressCard Multicard Reader Ports	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one powered USB 2.0,	
Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCle Half Mini Card, GPRS/WCDMA/HSPA+, GPS SIM card Modem None Bluetooth™ Bluetooth 4.0 wireless, integrated in WLAN PCle Half Mini Card Ethernet Gigabit ethernet, Realtek® RTL8111F None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Security Chip Fingerprint reader None Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCle Half Mini Card, Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant International Warrranty Service¹7 24 hour x 7 day¹8 toll-free support	PCIe Mini Card PCIe WLAN ⁴	Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2,	
SIM card Modem None Bluetooth™ Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Ethernet Intel AMT Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Security Security chip Fingerprint reader None Supports ThinkVantage® technologies Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹® toll-free support	PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,	
Ethernet Gigabit ethernet, Realtek® ÄTL8111F Intel AMT None Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole Security chip None Fingerprint reader None Security Gigabit ethernet, Realtek® ÄTL8111F Separt™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant International Warrranty Service¹7 24 hour x 7 day¹® toll-free support	SIM card Modem	Some: User selectable, contract required with service provider None	Supports ThinkVantage® technologies
Addid Support Addid, realiek ALO209 codec? stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole None Security chip None Fingerprint reader None Security None Fingerprint reader None Security None Security Reyhole None ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹8 toll-free support	Bluetooth™ Ethernet Intel AMT	Gigabit ethernet, Realtek® ŘTL8111F None	EPEAT™ Gold rating
24 hour x 7 day ¹⁸ toll-free support	Audio support Security Security chip	dual array digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None	ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant
			24 hour x 7 day18 toll-free support

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCle Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Bat- tery cells	Preload	Ann date (mm/yy)
3354-93G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Pro 64	06/12
3354-4NG	i5-3210M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Pro 64	06/12
3354-BFG	i5-3210M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Pro 64	08/12
3354-ALG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	08/12
3354-AHG	i5-3210M	4GBx1	13.3" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	08/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M 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	- Some: Genuine Windows 7 Professional 64
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications ¹⁴ (Windows 7 models; only some listed) • OneKey Recovery Pro
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None	Password Manager Preloaded applications ¹⁴ (Windows 7 models; only some listed) Angel Campating TV
Widescreen display Camera	13.3" (338mm) 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	Access Connections™ ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Microsoft Office preloaded;
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard None	purchase a product key to activate
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm 6-cell: from 3.97 lb (1.80kg) Midnight black (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4 Whr): up to 7.5 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴ 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	Some: User selectable, contract required with service provider None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/dual array digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole	65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant
Security chip Fingerprint reader	None None	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced June 26 or August 28, 2012 WE model(s) withdrawn effective April 1, 2014

			W:da		Diele	DOI-	DOI: Mini Onn			D-4		A
Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA		Top color	Bat- tery	Preload	Ann date (mm/yy)
					•				<u> </u>			
	i3-2328M i3-3110M	4GBx1 4GBx1	13.3" HD 13.3" HD	720p 720p	320G 7200 320G 7200	Intel 2230 + BT Intel 2230 + BT	None None	None None	Black Black	6	Win7 Pro64 Win7 Pro64	10/12 10/12
	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable		6	Win7 Pro64	10/12
	5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable		6	Win7 Pro64	10/12
3354-AVG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	e Black	6	Win8 Pro64	10/12
	i5-3210M	4GBx1	13.3" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Blue	6	Win8 64	10/12
	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable		6	Win8 Pro64	10/12
	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
	i3-3110M i3-2328M	4GBx1 4GBx1	13.3" HD 13.3" HD	720p	500G 7200 500G 7200	TP 11a/b/g/n + B7 Intel 2230 + BT	Γ None None	None None	Red Black	6	Win8 64 Win8 64	10/12 10/12
	i3-2328M	4GBx1	13.3" HD	720p 720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
	Pen B980	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12
	i3-2348M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	01/13
	i3-2348M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	01/13
3354-CQG	i3-2348M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	01/13
Positioning Processor	Intel [®] DDR3 Intel DDR3 Intel DDR3 Intel DDR3 Intel	Pentium® memory of Core™ i3-2 memory of Core i3-23 memory of Core i3-31 memory of Core i3-31 memory of Core i5-32	B980 processor (upper p	essor (2 p to 1333 sessor (2 c p to 1333 ssor (2 c p to 1600 ssor (2 c c)	cores, 2.40GH, MHz) cores, 2.20GH, MHz), HT technores, 2.30GHz, MHz), HT technores, 2.40GHz, MHz), HT technores, 2.50GHz, S.50GHz, 2.50GHz,	3MB cache), Intel nology 3MB cache), Intel	el HD Graphic el HD Graphic HD Graphics HD Graphics HD Graphics	s, - s 3000, 3000, - 4000, plogy	Some: W Some: W Some: W Preloaded sted) Windows	Vindo 4 pre owng Vindo Vindo Vindo appl 5 7 m		sional ugh bit bit
Memory	8GB two 2	max ⁷ / PC3 04-pin SO-	-12800 160 DIMM sock	00MHz D[:ets	DR3, non-parity,	dual-channel capa	ble,		Access C ThinkVar ThinkVar Lenovo S	itage itage	Power Manag	ger
Optical SATA disk	None Hard	Disk Drive	/ SATA 3.00	Gb/s, 2.5"	wide, 7mm or 9		<u> </u>	•	Adobe® F	Read	er®	
mSATA™ SSD	Some	e: 16GB m	SATA Śolid	State Dri	ve (SSD), via P	Cle Mini Card slot			Lenovo S			
Widescreen display Camera	LED	bàcklight, 2	00 nits, 16:	9 aspect	r , anti-glare, ratio, 500:1 con low light sensiti	trast ratio ve, face tracking, fix	xed focus	•	Lenovo C Lenovo N Lenovo C	/lobile	Access	
Graphics	exteri digita suppo	nal analog I monitor si orts dual in	monitor sup upport via H dependent	port via \ IDMI™ (s display;	/GA DB-15 con upporting HDCI	I HD Graphics 400 nector and of to output protecte 1920x1200 (HDMI)	d content);		Norton™ (30 days Skype™	itage Inter of vir	System Upda net Security us definitions	
Keyboard TrackPoint® Touchpad ThinkLight™	Track	Point pointi Nav™, butto		"Press-to-	seys -Select," Interne w keyboard	et Scroll Bar ¹³		•			ce preloaded; oduct key to a	ıctivate
Dimensions ³ Weight ² Case color	<i>6-cell</i> Midni trimm	: from 3.97 ght black, I led with a tl	lb (1.80kg Heatwave re hin silver ba) ed or Arct and (side)	ic blue (top), ; black bottom	: 228mm x 20-27.8r	nm					
Case material Battery - type ³ Battery - life ¹⁰	⁷ Lithiu <i>6-cel</i>	m Ion 6-ce 1 <i>(62.4 Whr,</i>	adiene-Styr II, HW Auth): up to 7.5	entication hr	í ·							
Chipset ExpressCard	Mobi None		77 Expres	s Chipse	t							
Multicard Read Ports	der 4-in-1 Two l	reader (M JSB 3.0 po	MC, SD, SI rt, one pow (VGA DB-1	ered USE		45)						
PCIe Mini Car PCIe WLAN ⁴	Some	e: 11a/b/g/ e: 11b/g/n,	s Mini Card n, PCIe Hal PCIe Half I T combo a	f Mini Ca Mini Card	rd, ThinkPad a/l , Intel Centrino®	o/g/n, 2x2, Wi-Fi / B Wireless-N 2230, 2	T combo adapt	ter				
PCIe WWAN SIM card		e: Wireless GPRS/W	WAN, Eric	sson® H5: PA/HSPA	321gw Mobile B +, GPS uired with servio	Broadband Module,	PCIe Half Mini	Card,				
Modem	None		colable, col	maci ieq	uneu willi sei Vil	oo piovidei						
Bluetooth™	Bluet	ooth 4.0 wi			NLAN PCIe Ha	If Mini Card		-	Supporto T	hink	/antage® tack	nologios
Ethernet			, Realtek® F	RTL8111F	=			L	oupports I	IIIIKV	antage® techi	lologies
Intel AMT Audio support	None High		HD) Audio	Realtek /	ALC269 codec /	stereo speakers, 2	watt x 2/	6	5-watt AC	adap	oter	
Security Security chip	dual a Powe None	array digital r-on passw	microphon	ie, combo	audio/mic jack			E F	RoHS-com	TAR [®] pliant	® 5.0-compliaı	
Fingerprint rea				- /		-:I-I-I-			24 hour x 7	day1	8 toll-free sup	port
Limited warrar	иу" 1-уе а	ır - depot re	epair service	e / service	upgrades ²² ava	aliable			during th	e wai	ranty period ¹²	-

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA		Top color	Bat- tery cells	Preload	Ann date (mm/yy)
3354-DZG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	DOS-Lic.	02/13
3354-DYG	i3-2348M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win8 64	02/13
3354-DXG	i3-2348M	4GBx1	13.3" HD	720p	500G 5400	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	02/13
3354-DWG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	02/13
3354-DVG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	02/13
3354-DUG	i3-3120M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	02/13
3354-DTG	i5-3230M	4+4GB	13.3" HD	720p	750G 5400	Intel 2230 + BT	None	None	Blue	6	Win8 64	02/13
3354-DSG	i5-3230M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	02/13
3354-E9G	i3-3110M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win8 64	05/13
3354-E8G	i3-3110M	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	05/13
3354-EGG	i5-3230M	4GBx2	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Blue	6	Win8 64	12/13

Positioning Processor Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000, Intel® Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i3-3120M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3230M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Memory 8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets Preloaded operating systems: Some: DOS-Lic. Some: Windows® 7 Protof 4 preinstalled the downgrade rights downgrade rights with the processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Preloaded operating systems: Some: Windows® 7 Protof 4 preinstalled the downgrade rights with the processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Preloaded operating systems: Some: DOS-Lic. Some: Windows® 7 Protof 64 preinstalled the downgrade rights with the processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Preloaded operating systems: Some: DOS-Lic. Some: DOS-Lic. Some: DOS-Lic. Some: Windows® 7 Protof 64 preinstalled the downgrade rights with the processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Preloaded operating systems: Some: DOS-Lic. S	fessional nrough s in 64-bit it only some
Memory 8GB max ^{-/} / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, - Windows 7 models	3)
two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller * ThinkVantage Power Ma	ınager
Optical None SATA disk Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ mSATA™ SSD None • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader®	Ü
Widescreen display Camera 13.3" (338mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Lenovo Companion Lenovo Companion Lenovo Companion Lenovo Codud Storage	
Graphics Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz - All models(exclude DOS - ThinkVantage System U Norton™ Internet Securi	pdate [′] ty
Keyboard TrackPoint® TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ Touchpad ThinkLight™ None Skype⁵™ Microsoft Office preloaded purchase a product key of the product key of the product key of the pressure of the p	
Dimensions ³ Weight ² Case color Case material Battery - lyipe ³⁷ Battery - life ¹⁰ 13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm 6-cell: from 3.97 lb (1.80kg) Midnight black, Heatwave red or Arctic blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium lon 6-cell, HW Authentication 6-cell (62.4 Whr): up to 7.5 hr	
Chipset Mobile Intel HM77 Express Chipset ExpressCard None Multicard Reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Ports Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴ Two PCI Express Mini Card slots Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/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 / BT combo adapter	
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 None Supports ThinkVantage® to	chnologies
Bluetooth™ Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Ethernet Gigabit ethernet, Realtek® RTL8111F Intel AMT None 65-watt AC adapter EPEAT™ Gold rating (exclude DOS models)	
Audio support High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack ENERGY STAR® 5.0-comp (exclude DOS models)	oliant
Security Power-on password, hard disk password, supervisor password, security keyhole RoHS-compliant International Warranty Ser	
Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available 24 hour x 7 day ¹⁸ toll-free so during the warranty period	

ThinkPad Edge E330 3354 (Intel) - Optimus (T) - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Ca WWAN /mSATA	rd SIM card	Top color	Bat- tery cells	Preload	Ann date (mm/yy)
3354-94G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Blue	6	Prem 64	06/12
3354-4PG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Prem 64	06/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications ¹⁴ (only some listed)
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	OneKey Řecovery Pro Password Manager Preloaded applications ¹⁴ (only some
Widescreen display Camera	13.3" (338mm) 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	listed) • Access Connections™ • ThinkVantage System Update • ThinkVantage Power Manager
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M, PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard None	
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm 6-cell: from 3.97 lb (1.80kg) Arctic Blue or Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4 Whr): up to 7.5 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴ 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	
Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F	Supports ThinkVantage® technologies
Intel AMT Audio support Security Security chip Fingerprint reader	None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None None	90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support
Limited warranty ¹²	² 1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced June 26, 2012 WE model(s) withdrawn effective April 1, 2014

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ThinkPad Edge E330 3354 (Intel) - Opt (T) - Win 8 - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN / BT	PCIe Mini Car WWAN /mSATA	rd SIM card	Top color	Bat- tery cells	Preload	Ann date (mm/yy)
3354-AUG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Win8 64	10/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Windows 8 64-bit
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed) • Lenovo Support
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	 Lenovo Companion Lenovo Cloud Storage Password Manager Fingerprint Software (fingerprint
Widescreen display Camera	13.3" (338mm) 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	models) • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions)
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M, PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	 Microsoft Office preloaded; purchase a product key to activate Skype™
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard None	
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm 6-cell: from 3.97 lb (1.80kg) Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4 Whr): up to 7.5 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴ 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	
Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F	Supports ThinkVantage® technologies
Intel AMT Audio support Security Security chip Fingerprint reader	None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None None	90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced October 23, 2012 WE model(s) withdrawn effective April 1, 2014

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Type-model	s		Wide- screen display	Camera	Disk SATA GB [®] rpm	SATA Mini Card		rd SIM card	Bat- tery Top color cells		Ann date Preload (mm/y	
3355-64G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	DOS-Lic.	07/12
3355-63G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Red	6	Prem 64	07/12
3355-62G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Prem 64	07/12
3355-5ZG	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Pro 64	07/12
3355-5YG	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Pro 64	07/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle AMD Accelerated Processor E2-1800 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Some: DOS-Lic Some: Genuine Windows® 7			
Memory	8GB max ⁷ / 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	Home Premium 64 - Some: Genuine Windows 7 Professional 64			
Optical SATA disk mSATA™ SSD	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None	Ready to install applications ¹⁴ (Windows 7 models; only some listed) • OneKey Recovery Pro • Password Manager			
Widescreen display Camera	13.3" (338mm) 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	Preloaded applications¹⁴ (Windows 7 models; only some listed) • Access Connections™			
Graphics	AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz	ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions)			
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard None	Adobe® Reader® Skype™ for Windows			
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm 6-cell: from 3.97 lb (1.80kg) Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4 Whr): up to 7.5 hr				
Chipset ExpressCard Multicard Reader Ports	AMD A68M FCH None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)				
PCIe Mini Card PCIe WLAN ⁴	One PCI Express Mini Card slot Some: 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter None				
SIM card Modem	None None	Supports ThinkVantage® technologies			
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reader	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None	65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant International Warranty Service¹7			
	² 1-year - depot repair service / service upgrades ²² available	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²			

See footnotes for more detailed information WE model(s) announced July 17, 2012 WE model(s) withdrawn effective April 1, 2014

Type-model	Processor	Memory	Wide- screen display	Camera	Disk PCIe PCIe Mini Card Bat- SATA Mini Card WWAN tery ra GB ⁸ rpm WLAN / BT /mSATA SIM card Top color cells Pr			Mini Card WWAN		Preload	Ann date (mm/yy)	
3355-6AG	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	10/12
3355-69G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Win7 Pro64	10/12
3355-68G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Black	6	Win8 Pro64	10/12
3355-67G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Black	6	Win8 Pro64	10/12
3355-66G	E2-1800	4GBx1	13.3" HD	720p	320G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	10/12
3355-65G	E2-1800	4GBx1	13.3" HD	720p	500G 7200	TP 11b/g/n + BT	None	None	Red	6	Win8 64	10/12
3355-72G	E2-2000	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	DOS-Lic.	02/13
3355-6ZG	E2-2000	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	02/13
3355-6YG	E2-2000	4GBx1	13.3" HD	720p	500G 5400	TP 11a/b/g/n + BT	None	None	Black	6	Win7 Pro64	02/13

Da aiti audio e	Combination and decision with available developing and all the little for OMD and a second	
Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle AMD Accelerated Processor E2-1800 (dual-core, 1.70GHz, 1MB L2 cache), integrated AMD Radeon™ HD 7340 Graphics, DDR3 memory controller (up to 1333MHz) AMD Accelerated Processor E2-2000 (dual-core, 1.75GHz, 1MB L2 cache), integrated AMD Radeon HD 7340 Graphics, DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Some: DOS-Lic Some: Windows® 7 Professional 64 preinstalled through downgrade rights in
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Windows 8 Pro 64-bit - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	Preloaded applications (only some listed, exclude DOS models) - Windows 7 models
mSATA™ SSD	None	Access Connections™ ThinkVantage Power Manager
Widescreen display Camera	13.3" (338mm) 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	ThinkVantage Fower Manager ThinkVantage Tools Lenovo SimpleTap Adobe® Reader®
Graphics	AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz	- Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard None	- All models(exclude DOS models) - ThinkVantage System Update - Norton™ Internet Security (30 days of virus definitions)
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm 6-cell: from 3.97 lb (1.80kg) Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell, HW Authentication 6-cell (62.4 Whr): up to 7.5 hr	Skype™ Microsoft Office preloaded; purchase a product key to activate
Chipset ExpressCard Multicard Reader Ports	AMD A68M FCH None 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card PCIe WLAN ⁴	One PCI Express Mini Card slot Some: 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter	
PCIe WWAN SIM card	None None	
Modem	None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Gigabit ethernet, Realtek® RTL8111F None High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating (exclude DOS models) ENERGY STAR® 5.0-compliant (exclude DOS models)
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None None	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period12

See footnotes for more detailed information WE model(s) announced October 23, 2012 or February 19, 2013 WE model(s) withdrawn effective April 1, 2014

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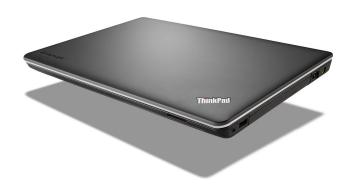
Lenovo® ThinkPad Edge E530



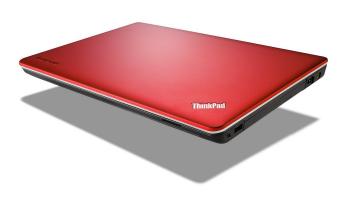
Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530 with Numeric Keypad (Matte black, Matte red or Matte blue)



Lenovo ThinkPad Edge E530



Lenovo ThinkPad Edge E530 without Numeric Keypad (Black aluminum)

ThinkPad Edge E530 3259 (Intel) - T - withdrawn

Type-model	Procesor	Momory	Wide- screen display	Camera	SA	sk ITA rpm	PCle P Mini Card WLAN / BT	Cle Mini Ca WWAN		Numeric Keypad	Top color	Finger print	tery	Preload	Ann date
Type-Inouei	FIUCESSUI	weillol y	uispiay	Calliela	GD	ipiii	WLAN/DI	/m5AIA	SIM card	Reypau	TOP COIOI	reauer	CEIIS	Fieldau	(IIIIII/yy <i>)</i>
3259-CBG	i3-2350M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-CAG	i3-2350M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte red	Finger	6	Prem 64	04/12
3259-79G	i3-2350M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-7AG	i5-2450M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-CGG	i5-2520M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	04/12
3259-9WG	i3-2370M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte red	Finger	6	Prem 64	05/12
3259-9XG	i3-2370M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	05/12
3259-9ZG	i3-2370M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HMG	i3-2330M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HKG	i3-2330M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	05/12
3259-HQG	i3-2370M	4GBx1	15.6" HD-	- 720p	500G	7200	Intel 2230 + BT	Ericsson	Lenovo	Numpad	Matte black	Finger	6	Pro 64	07/12

Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2370M processor (dual-core, 2.40GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i5-2520M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core i5-2500M processor (dual-core, 2.50GHz, 3MB Cache),	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications¹⁴ (only some listed) One Key Recovery Pro Preloaded applications¹⁴ (only some listed)
•	16GB max ⁷ / 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	Access Connections™ TrueSuite Fingerprint Software (includes password manager
SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	function) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools
Widescreen display	None 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Corel® WinDVD® (DVD±RW)
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	Corel Burn.Now™ Lenovo Édition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
TrackPoint® Touchpad	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	
Case color Case material Battery - type ³⁷	6-cell: from 5.4 lb (2.45kg); Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium lon 6-cell 6-cell (48Whr): up to 5.7 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,	
	GPRS/WCDMA/HSPA/HSPA+, GPS Some: Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required	
Modem	None Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card	Supports ThinkVantage® technologies
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security chip	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Wide-screen Disk SATA PCle Mini Card Processor Memory display Camera GB® rpm WLAN / BT		WWAN	Cle Mini Card WWAN Numeric /mSATA SIM card Keypad			Finger Bat- print tery Top color reader cells							
3259-9UG	B960	2GBx1	15.6" HD	0.3M	320G 5400	TP 11b/g/n + B	T None	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-9VG	B960	4GBx1	15.6" HD	0.3M	500G 5400	TP 11b/g/n + B	T None	None	Numpad	Matte black	Finger	6	Prem 64	04/12
3259-HPG	B970	4GBx1	15.6" HD	720p	320G 5400	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HNG	B970	4GBx1	15.6" HD	720p	500G 5400	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	05/12
3259-HHG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Prem 64	08/12
3259-HGG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	Pro 64	08/12
3259-MUG	i3-2328M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	DOS-Lic.	08/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Pentium® B960 processor (2 cores, 2.20GHz, 2MB Cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Pentium B970 processor (2 cores, 2.30GHz, 2MB Cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB Cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology	Preloaded operating system ²⁰ - Some: DOS-Lic Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications ¹⁴
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	(Windows 7 models; only some listed) One Key Recovery Pro
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	Preloaded applications¹⁴ (Windows 7 models; only some listed) • Access Connections™ • TrueSuite Fingerprint Software
mSATA™ SSD	None	(includes password manager
Widescreen display Camera	15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: Camera on top of screen, 0.3-megapixel, fixed focus Some: HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	function) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools
Graphics	Intel HD Graphics or Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	 Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Corel® WinDVD® (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	 Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	Microsoft Office preloaded; purchase a product key to activate
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.4 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi Fi - Plustoeth combo adapter, 2x2	
WWAN	Wi-Fi + Bluetooth combo adapter, 2x2 None	Supports ThinkVantage® technologies
Modem Bluetooth™ Ethernet Audio support	None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models)
	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe P Mini Card WLAN / BT	Cle Mini C WWAN /mSATA		Numeric Keypad	Top color	Finger print reader	tery	Preload	Ann date (mm/yy)
3259-7CG	i7-3612QM	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + B	Т	None	Numpad	Matte black	Finger	6	Pro 64	05/12
3259-A2G	i5-3210M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + B	T 16GB	None	Numpad	Matte black	Finger	6	Pro 64	06/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows 7 Professional 64 Ready to install applications ¹⁴ (only
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Some listed) One Key Recovery Pro
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	(includes password manager
Widescreen display Camera	15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	function) ThinkVantage System Update ThinkVantage Power Manager
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	 ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	Skype [™] for Windows Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	Edition (DVD±RW)
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg); Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium lon 6-cell 6-cell (62Whr): up to 7.5 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard Multicard Reader Ports	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
WWAN Modem Bluetooth™	None None Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card	Supports ThinkVantage® technologies
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced May 1 or June 5, 2012 US model(s) withdrawn effective December 31, 2013

Type-model	Processor	Memory	Wide- screen display	Camera	Dis SAT GB [®]	ГА	PCIe P(Mini Card WLAN / BT	Cle Mini Ca WWAN /mSATA		Numeric Keypad	Top colo	Finger print reader				Ann date (mm/yy)
3259-LZG	Pen B980	4GBx1	15.6" HD	720p	500G	5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	62	Win8 64	10/12
3259-M9G	i7-3632QM	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	62	Win8 Pro64	10/12
3259-MBG	i5-3210M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	16GB	None	Numpad	Black	Finger	6	62	Win8 Pro64	10/12
3259-MFG	i3-3110M	4GBx1	15.6" HD	+ 720p	500G	7200	Intel 2230 + BT	Ericsson	Lenovo	Numpad	Black	Finger	6	48	Win8 64	10/12
3259-MGG	i3-3110M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Red	Finger	6	48	Win8 64	10/12
3259-MHG	i3-3110M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	10/12
3259-MJG	i3-2328M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	10/12
3259-MKG	i3-2328M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12
3259-TFG	i3-3110M	4GBx1	15.6" HD	720p	500G	7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Pentium® B980 processor (2 cores, 2.40GHz, 2MB cache), Intel HD Graphics, DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit
	Intel Core™ i3-2328M processor (2 cores, 2.20GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology	Preloaded applications ¹⁴ (only some listed) • Lenovo Support • Lenovo Companion • Lenovo Mobile Access • Lenovo Cloud Storage • Password Manager • Fingerprint Software (fingerprint
Memory	16GB max ⁷ / 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	models) ThinkVantage System Update Norton™ Internet Security
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	(30 days of virus definitions)Microsoft Office preloaded; purchase a product key to activate
mSATA™ SSD Widescreen display Camera	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	• Skype™
Graphics	Intel HD Graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI TM (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg); Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.5 hr 6-cell (62Whr): up to 7.3 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,	
SIM card	GPRS/WCDMA/HSPA/HSPA+, GPS Some: Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required	
Modem Bluetooth™	None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card	Supports ThinkVantage® technologies
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷
	1-year - depot repair service / service upgrades ²² available	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCle P Mini Card WLAN / BT	Cle Mini C WWAN /mSATA	ard SIM card	Numeric Keypad	Top color	print	Bat- tery cells		Ann date (mm/yy)
3259-BOG	i5-2450M	4GBx1	15.6" HD	720n	750G 5400	Intel 2230 + B	T None	None	Numnad	Matte black	Finger	6	Pro 64	04/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-2450M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows 7 Professional 64
Memory	16GB max ⁷ / 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 ¹⁴ (only some listed) • One Key Recovery Pro
Optical SATA disk mSATA™ SSD	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None	Preloaded applications ¹⁴ (only some listed) • Access Connections TM
Widescreen display Camera	15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	TrueSuite Fingerprint Software (includes password manager function) ThinkVantage System Update
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 630M, PCI Express® x16, 2GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	 ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW) Corel DVD MovieFactory® Lenovo
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	Edition (DVD±RW)
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.47 lb (2.48kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.5 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 None	
Modem Bluetooth™	None Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card	Supports ThinkVantage® technologies
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

See footnotes for more detailed information WE model(s) announced April 10, 2012 US model(s) withdrawn effective December 31, 2013

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB ⁸ rpm	PCIe PC Mini Card WLAN / BT	Top color	Finger Bat- Bat- print tery tery r reader cells /Wh Preload (r							
3259-C2G	i7-3612QM	4GBx1	15.6" HD+	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Matte blue	Finger	6	62	Prem 64	05/12
3259-HJG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT		None	Numpad	Matte black	Finger	6	48	Pro 64	06/12
3259-A3G	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Matte red	Finger	6	62	Prem 64	06/12
3259-A4G	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT		None	Numpad	Matte black	Finger	6	48	Pro 64	06/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (quad-core, 2.10GHz, 6MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications ¹⁴ (only some listed)
Optical SATA disk mSATA™ SSD	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	One Key Recovery Pro Preloaded applications ¹⁴ (only some listed)
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	Access Connections™ TrueSuite Fingerprint Software (includes password manager function) ThinkVantage System Update ThinkVantage System Update
Camera Graphics	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 630M, PCI Express® x16, 2GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Corel® WinDVD® (DVD±RW)
Keyboard	Matte black, Matte red or Matte blue (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad	 Corel Burn.Now™ Lenovo Edition
TrackPoint [®] Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar ¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	(DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Dimensions ³	Matte black, Matte red or Matte blue (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.47 lb (2.48kg) Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.5 hr 6-cell (62Whr): up to 7.3 hr	
Chipset ExpressCard	Mobile Intel HM77 Express Chipset None	
Multicard Reader Ports	A-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
WWAN Modem	None None	
Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card Realtek® RTL8111F Gigabit Network Connection	Supports ThinkVantage® technologies
Audio support Security	High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole	90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Security chip	None UPEK Fingerprint reader on palm rest, swipe sensor	International Warranty Service ¹⁷
	² 1-year - depot repair service / service upgrades ²² available	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
	* *	

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	Mini Card	le Mini C WWAN /mSATA		Numeric d Keypad		Finger print reader	tery	tery		Ann date (mm/yy)
3259-M3G	i7-3632QM	4GBx2	15.6" HD+	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Black	Finger	6	62	Win8 Pro64	10/12
3259-MAG	i7-3632QM	4GBx2	15.6" HD+	720p	1TB 5400	Intel 2230 + BT	16GB	None	Numpad	Blue	Finger	6	62	Win8 64	10/12
3259-MCG	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Numpad	Red	Finger	6	62	Win8 64	10/12
3259-MDG	i5-3210M	4GBx1	15.6" HD	720p	750G 5400	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12
3259-MEG	i5-3210M	4GBx1	15.6" HD+	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	10/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed)
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Lenovo Support Lenovo Companion
Optical SATA disk mSATA™ SSD	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	 Lenovo Cloud Storage Password Manager Fingerprint Software (fingerprint models)
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	 ThinkVantage System Update Norton™ Internet Security (30 days of virus definitions) Microsoft Office preloaded; purchase a product key to activate
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 635M, PCI Express® x16, 2GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	• Skype™
Keyboard	Matte black, Matte red or Matte blue (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad	
TrackPoint® Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	
Dimensions ³	Matte black, Matte red or Matte blue (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.47 lb (2.48kg) Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell (48Whr): up to 5.5 hr 6-cell (62Whr): up to 7.3 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 None	
Modem Bluetooth™ Ethernet Audio support Security Security chip Fingerprint reader	None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None **UPEK Fingerprint reader on palm rest, swipe sensor**	Supports ThinkVantage® technologies 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support
Limited warranty"	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model Processor Me	Wide- screen emory display	Camera	Disk SATA GB [®] rpm	PCle Po Mini Card WLAN / BT	Cle Mini C WWAN /mSATA		Numeric Keypad	Top color		tery	Preload (Ann date mm/yy)
3259-HLG i5-3210M 40	GBx1 15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Matte black	Finger	6	DOS-Lic.	06/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - DOS-Lic.
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Optical SATA disk	DVD burner, 12.7mm high, fixed, not removable, tray-in 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 Camera	15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg); Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr); up to 5.7 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard Multicard Reader Ports	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	
WWAN Modem	None None	
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Mini Card	Supports ThinkVantage® technologies
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	ENERGY STAR® 5.ŏ-compliant RoHS-compliant International Warranty Service ¹⁷
	2 1-year - depot repair service / service upgrades ²² available	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
	. Jean department of violation approach attailable	daring the wallanty period

See footnotes for more detailed information WE model(s) announced June 5, 2012 US model(s) withdrawn effective December 31, 2013

			Wide- screen		Disk SATA	PCle P Mini Card	Cle Mini Ca WWAN	ard	Numeric	Тор		r Bat- Ba tery te		Ann date
Type-model	Processor	Memory		Camera	GB ⁸ rpm	WLAN / BT		SIM card						(mm/y
6272-3MG						TP 11b/g/n + BT								
8272-3LG						TP 11b/g/n + BT					U			
272-3KG		4GBx1	15.6" HD+			TP 11b/g/n + BT							Win8 Pro64	
272-3JG 272-3FG			15.6" HD+ 15.6" HD+) TP 11b/g/n + BT) TP 11b/g/n + BT					U		Win8 Pro64 Win7 Pro64	
272-37G			15.6" HD+			TP 11b/g/n + BT							Win7 Pro64	
272-36G			15.6" HD+			TP 11b/g/n + BT					U		Win7 Pro64	
272-29G	i7-3632QM			720p	500G 7200	Intel 2230 + BT	None	None					Win7 Pro64	
272-28G		4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Numpad	Black	Fing	6 62	Win7 Pro64	10/12
272-27G			15.6" HD	720p		Intel 2230 + BT	None	None					Win7 Pro64	
6272-26G		4GBx1	15.6" HD	720p		Intel 2230 + BT	None	None					Win7 Pro64	
272-8HG	17-3032QIVI	4GDX1	וס.ס חט	720p	500G 720C	Intel 2230 + BT	None	None	Numpau	DIACK	Filig	0 40	Win7 Pro64	04/1
No 111 1	0	1-1-111	-1 -1 1 1	U l'4			MDto							
ositioning rocessor						and reliability for SI , 2.20GHz, 3MB c a				Pre	loade	d opera	ating system	1 ²⁰
10065501						, 2.20GHz, 3MB Ca HT technology	iche), inte	i no Grap	JIIICS 3000	י, ן - י			vs® 7 Profess nstalled throu	
						.40GHz, 3MB cach	ne), Intel F	ID Graph	ics 4000,				ade rights in	igii
						HT technology	-> 1-4-111	ID 0	- 4000				vs 8 Pro 64-b	
	Inte	Core Is	ry controlle	cessor	(2 cores, 2	50GHz, 3MB cach Intel Turbo Boost 2	1 e) , Intel H	שו Graphi אר אד לבו	chnology	- S	ome:	Windov	vs 8 Pro 64-b	it
						2.10GHz, 6MB cad						d appli	cations (only	some
	DDF	₹3 memo	ry controlle	r (up to	1600MHz),	ntel Turbo Boost 2	.0 (3.10GF	∃z), HT ṫe	chnology	liste		vs 7 mc	ndole	
						2.20GHz, 6MB cad							ctions [™]	
1				_ ` '	,-	ntel Turbo Boost 2	.0 (3.20GF	1z), HT te	cnnology	⊣• T	hinkVa	antage I	Power Manag	ger
/lemory					IHz DDR3, r oin SO-DIMN							antage -		
						essors with 1333M	Hz DDR3	memory o	controller			Simple Reade		
ptical					, not remova					ا آ	dobc	ricado		
SATA disk	Hard	Disk Dr	ive / SATA	3.0Gb/s,	2.5" wide, 7	mm or 9.5mm higl	n,					vs 8 mc		
nSATA™ SS					rotection Sys		المام امير					Suppor		
						D), via PCIe Mini C	ard Slot						Access	
Videscreen display						or, anti-glare, 00:1 contrast ratio							Storage	
aispiay						l or , anti-glare,				١.				
_	LED	backligh	it, 220 nits,	16:9 as	pect ratio, 50	00:1 contrast ratio					II mod		System Upda	ıto
Camera	HD7	20p reso	lution, face	track, lo	ow light sens	sitive, fixed focus, L	.ED indicat	tor					et Security	iic
Graphics						cs 4000 in proces				(3	30 day	s of viru	us definitions))
						I-15 connector and ng HDCP to output		content):			kype [†] \		a prolocidad:	
			l independe			ig TIDOF to output	protected	content),					e preloaded; duct key to a	ctivate
	Max	external	resolution:	2048x1	536 (VGA)@	75Hz; 1920x1200	(HDMI)@	60Hz			aronac	oc a pro	addi key to a	olivato
Keyboard						resistant, multime	dia Fn keys	s, numerio	keypad					
FrackPoint®					net Scroll Ba									
「ouchpad 「hinkLight™			riae toucnp	ad belov	v keyboard,	Tap Zones, multi-to	oucn							
Dimensions			or Matte red	l (top):	15.6W" (W	xDxH): 14.84" x 9.6	65" x 1.16-	-1.39";						
					377 x 245r	nm x 29.5-35.3mm								
Veight² Case color			5.4 lb (2.45l or Matte red		immed with	a thin silver band (side). blac	k hottom						
Case materi			or Matte rec			e-Butadiene-Styrer								
Battery - typ		um Ion 6			-	•	, , ,							
Battery - life			<i>r):</i> up to 5.7 <i>r):</i> up to 7.5											
Chipset	Mob	ile Intel	HM77 Exp		ipset					\dashv				
ExpressCar			(MANAC CD	CDLIC	CDVC)									
∕lulticard Re Ports			(MMC, SD .0, one US											
0.10	exte	rnal mon	itor (VGA D)B-15, H	DMI), ether	net (RJ-45)								
Cle Mini C			ress Mini C			, , ,								
WLAN ⁴	Son	<i>ne:</i> 11b/g	g/n, PCIe H	alf Mini	Card, Thinkl	Pad 11b/g/n, 1x1, V			lapter					
	Son					entrino® Wireless-I	N 2230, 2x	2,	-					
WWAN	Con		/ BT comb			Mobile Broadband	Modulo P	Cla Half N	Aini Card					
****	3011				ISPA+, GPS		iviouule, F	OIE HAIH IN	ııııı Oaiu,					
SIM card	Son					-as-vou-go via cred	dit card no	contract	required					

Some: Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required

Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card

High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole

Realtek® RTL8111F Gigabit Network Connection

Supports ThinkVantage® technologies

65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹²

Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor

Limited warranty¹² 1-year - depot repair service / service upgrades²² available

None

SIM card

Bluetooth™

Audio support

Modem

Ethernet

Security

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe PC Mini Card WLAN / BT	le Mini C WWAN /mSATA		Numeric Keypad		print	Bat- Bat- tery tery cells /Wh		Ann date (mm/yy)
6272-6LG	i5-3210M	4GBx1	15.6" HD+	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Fing	6 48	Win7 Pro6	64 12/12
6272-6KG	i3-3110M	4GBx1	15.6" HD	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Fing	6 48	Win7 Pro6	64 12/12
6272-6JG	i3-3110M	4GBx1	15.6" HD	720p	128G SSD	Intel 2230 + BT	None	None	Numpad	Black	Fing	6 48	Win8 64	12/12
6272-65G	i3-2348M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6 48	Win8 Pro6	64 01/13
6272-64G	i3-2348M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6 48	Win7 Pro6	64 01/13
6272-63G	i3-2348M	4GBx1	15.6" HD	720p	500G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6 48	Win8 64	01/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	Preloaded applications (only some listed)
Optical SATA disk mSATA™ SSD	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 <i>Some</i> : Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>All</i> : removable, upgradable None	- Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	Adobe® Reader® Windows 8 models Lenovo Support Lenovo Companion Lenovo Cloud Storage
Graphics	Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	- All models - ThinkVantage System Update - Norton™ Internet Security (30 days of virus definitions)
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	Skype TM Microsoft Office preloaded; purchase a product key to activate
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm	
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN SIM card	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	
Modem Bluetooth™	None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	Supports ThinkVantage® technologies
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None UPEK Fingerprint reader on palm rest, swipe sensor	RoHS-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Camera	Dis SAT GB [®] r	Ά	PCIe Mini Card WLAN / BT		Cle Mini Ca WWAN /mSATA		Numeric Keypad		Finger print reader	tery	tery		Ann date (mm/yy)
6272-3HG	i7-3612QM	4GBx2	15.6" HD-	+ 720p	750G 5	5400	TP 11b/g/n +	ВТ	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-3GG	i7-3612QM	4GBx1	15.6" HD-	+ 720p	500G 7	7200	TP 11b/g/n +	ВТ	Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-3AG	i5-3210M	8GBx1	15.6" HD-	+ 720p	750G 5	5400	TP 11b/g/n +	ВТ	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-39G	i5-3210M	4GBx1	15.6" HD-	+ 720p	750G 5	5400	TP 11b/g/n +	ВТ	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-38G	i5-3210M	4GBx1	15.6" HD-	+ 720p	500G 7	7200	TP 11b/g/n +	ВТ	Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12

Postloning Processor and Processor (a cores, 2-506Hz, 3MB catche), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.106Hz), HT technology memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.106Hz), HT technology memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.106Hz), HT technology for the Core 7-58120M processor (4 cores, 2-106Hz, 6MB catche), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.106Hz), HT technology for the Core 7-58120M processor (4 cores, 2-106Hz, 6MB catche), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.106Hz), HT technology for the Core 7-58120M processor (4 cores, 2-106Hz, 6MB catche), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.106Hz), HT technology for the Core 7-58120M processor (4 cores, 2-106Hz, 6MB catche), Intel HD Graphics 4000, Intel HD Graphics 4000, Intel HD Graphics 4000, Intel HD Graphics 4000, Intel HD Graphics 4000 in processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and MVIDIA General State (1600MHz), 200 mis 1619, 380 processor, and 38			
Memory 16GB max* / PC3-12800 1690Mt 20JR3, non-parity, dual-channel capable, two 204-pin SO-DilmM sockets Optical DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Driver / SATA 30,06%; 2.5* wilder, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ More Widescreen display ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio Some: 15.6* (396mm) HD (100x90) color, anti-glare, ED backlight, 220 nits, 163 aspect ratio, 500:1 contrast ratio NUDIA Purvideo* HD technology, anti-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA Purvideo* HD technology, 200x100 in p		Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache), Intel HD Graphics 4000.	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
Optical SATA disk STATA disk DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Driver (SATA 3, 306b)s, 2.5 "wide, 7mm or 9 5mm high, removable, upgradable, Active Protection System" None Widescreen display ED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio North-minister some some some some some some some some	Memory		some listed)
Widescreen display Some: 15.6" (396mm) HD (1366x768) color, anti-glare, display LED backlight, 220 nits, 16:9 aspect ratio, 5001: contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 1220 nits, 16:9 aspect ratio, 5001: contrast ratio some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 1220 nits, 16:9 aspect ratio, 5001: contrast ratio some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 1220 nits, 16:9 aspect ratio, 5001: contrast ratio some some properties of the	SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	Preloaded applications¹⁴ (only some listed) • Access Connections™
Nrton Max external resolution (Pot Express) x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, PCI Express x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, PCI Express x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, PCI Express x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, PCI Express x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, PCI Express x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, PCI Express x16, 1GB memory, DirectX°11, NVIDIA GeForce 610M, NVIDI	display	LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	(includes password manager function) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools
Matte black, Matte red or Matte blue (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint® TrackPoint pointing device, Internet Scroll Bar¹³ TrackPointing Definition (DI) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2 / Stereo digital microphone, combo audio/mic jack TrackPointing Pointing Pointing Pointing Pointing Pointing Pointing	Graphics	Intel HD Graphics 4000 in processor, and NVIDIA GeForce® 610M, PCI Express® x16, 1GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ Corel® WinDVD® (DVD±RW)
TrackPoint pointing device, Internet Scroll Bar¹³ Trouchpad ThinkLight™ Dimensions³ Matte black, Matte red or Matte blue (top): 15.6W" (WxDxH): 14.84* x 9.65* x 1.16-1.39*; 377 x 245mm x 29.5-35.3mm 6-cell: from 5.47 lb (2.48kg) Case color Case material Battery - tyle¹⁰ 6-cell: from 5.47 lb (2.48kg) Battery - life¹⁰ 6-cell (48Whr): up to 5.5 hr 6-cell (48Whr): up to 5.5 hr 6-cell (48Whr): up to 5.3 hr Chipset ExpressCard Multicard Reader Ports Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMl), ethernet (RJ-45) PCIe Mini Card WLAN³ WLAN³ WLAN³ WWAN WIND Card Modem Bluetooth™ Bluetooth (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None Security Security chip None Immediately blue (top): 15.6W" (WxDxH): 14.84* x 9.65* x 1.16-1.39*; 377 x 245mm x 29.5-35.3mm 6-cell: from 5.47 lb (2.48kg) Activate red or Matte blue (top): trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell Activate red or Matte blue (top): trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell Battery - life¹⁰ 6-cell: from 5.47 lb (2.48kg) Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell Battery - life¹⁰ 6-cell (48Whr): up to 5.5 hr 6-cell (48Whr): up t	Keyboard		(DVD±RW)
Dimensions³ Matte black, Matte red or Matte blue (top): 15.6 M" (Wx0xH): 14.84* y 9.65* x 1.16-1.39*; 377 x 245mm x 29.5-35.3mm Weight² 6-cell: from 5.47 lb (2.48kg) Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Activation of Case material Battery - type³ (decell) and the black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Activation of Case material Battery - type³ (decell) and the black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Activation of Case material Case material Battery - type³ (decell) and the black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Activation of Case material Case material Battery - type³ (decell) and the black, Matte red or Matte black, Matte red or Matte black (ABS) plastic Battery - type³ (decell) and the black, Matte red or Matte black, Matte red or Matte black, Matte red or Matte black, Battery and the place of Matte black, Matte red or Matte black, Battery and the place of Matte black, Matte red or Matte black, Battery and the place of Matte black, Matte red or Matte black, Battery and the place of Matte black, Battery and the place of Matte black, Battery and the place of Mattery and the place of Mat	Touchpad	TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch	Edition (DVD±RW) • Microsoft Office preloaded;
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰ Battery - life ¹⁰ Chipset ExpressCard Multicard Reader Ports PCIe Mini Card WLAN⁴ WWAN PCIE Spress Mini Card, GPRS/WCDM/HSPA/HSPA+, GPS SIM card Modem Bluetooth¹¹M Bluetooth¹¹M Bluetooth¹¹M Bluetooth¹¹M Bluetooth¹¹M Bluetooth¹ A.0 wireless, integrated in WLAN PCIe Half Mini Card Realtek's RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Security Security Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor Limited warranty¹² 1-year - depot repair service / service upgrades²² available Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Actylonitile-Butadene-Styrene (ABS) plastic Lithium lon 6-cell 6-cell (48Whr); up to 7.3 hr 6-cell (62Whr);	Dimensions ³		, , ,
ExpressCard Multicard Reader Ports None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card WLAN ⁴ WWAN PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter WWAN Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS SIM card Modem None Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Ethernet Realtek® RTL8111F Gigabit Network Connection Audio support High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available None None Supports ThinkVantage® technologies 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²	Case color Case material Battery - type ³⁷	6-cell: from 5.47 lb (2.48kg) Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.5 hr	
WLAN⁴ Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS SIM card Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required Modem None Bluetooth™ Bluetooth™ Bluetooth ™ Realtek® RTL8111F Gigabit Network Connection Audio support High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Security Security chip None Fingerprint reader Limited warranty¹² 1-year - depot repair service / service upgrades²² available Nolic Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS Supports ThinkVantage® technologies Supports ThinkVantage® t	ExpressCard Multicard Reader	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered),	
Modem Bluetooth™ None Bluetooth™ Bluetooth 4.0 wireless, integrated in WLAN PCle Half Mini Card Supports ThinkVantage® technologies Ethernet Audio support Audio support Stereo digital microphone, combo audio/mic jack Realtek® RTL8111F Gigabit Network Connection 90-watt AC adapter Security Security Chip Fingerprint reader Power-on password, hard disk password, supervisor password, security keyhole None ENERGY STAR® 5.0-compliant Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor International Warranty Service¹¹² Limited warranty¹² 1-year - depot repair service / service upgrades²² available during the warranty period¹²	WLAN ⁴ WWAN	11b/g/n, PCle Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCle Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
Ethernet Audio support High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available Powatt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹® toll-free support during the warranty period¹²	Modem	None	Cupports Think/ontogo® took :!:
Addio support High Definition (HD) Addio, Conexant 20671 codec 7 stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Security Security chip None Fingerprint reader Limited warranty¹² 1-year - depot repair service / service upgrades²² available EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹¹ toll-free support during the warranty period¹²	Ethernet	Realtek® RTL8111F Gigabit Network Connection	
Fingerprint reader UPEK Fingerprint reader on palm rest, swipe sensor Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available Thermational warranty Service of 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²	Security	Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole	EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available during the warranty period ¹²	Fingerprint reader	UPEK Fingerprint reader on palm rest, swipe sensor	

Type-model	Processor	Memory	Wide scree displa	n	5	Disk SATA 8°rpm	PCIe Mini Card WLAN / BT	PCIe Mini Ca WWAN /mSATA	ard SIM card	Numeric Keypad	Top color	Finger print reader				Ann date (mm/yy)
6272-4QG	i7-3632QM	4GBx2	15.6" F	ID+ 720	p 750	G 5400	Intel 2230 + BT	16GB	None	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-4AG	i5-3210M	4GBx1	15.6" H	ID+ 720	p 500	G 7200	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-49G	i5-3210M	4GBx1	15.6" H	ID 720	p 750	G 5400	Intel 2230 + BT	None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3QG	i7-3632QM	4GBx2	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3PG	i7-3612QM	4GBx2	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3NG	i7-3612QM	4GBx1	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win8 Pro64	10/12
6272-3EG	i7-3632QM	4GBx1	15.6" H	ID+ 720	p 500	G 7200	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3DG	i7-3632QM	4GBx1	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3CG	i7-3632QM	8GBx1	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-3BG	i5-3210M	8GBx1	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-34G	i7-3632QM	4GBx1	15.6" H	ID 720	p 750	G 5400	TP 11b/g/n + B	T None	None	Numpad	Black	Fing	6	48	Win7 Pro64	10/12
6272-33G	i7-3632QM	4GBx2	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12
6272-32G	i7-3612QM	4GBx2	15.6" H	ID+ 720	p 750	G 5400	TP 11b/g/n + B	T Ericsson	Lenovo	Numpad	Black	Fing	6	62	Win7 Pro64	10/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3612QM processor (4 cores, 2.10GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-3632QM processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications (only some
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	listed) - Windows 7 models
Optical SATA disk mSATA™ SSD	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	 Access Connections™ ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD+ (1600x900) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	 Adobe® Reader® - Windows 8 models Lenovo Support Lenovo Companion
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 4000 in processor, and NVIDIA GeForce® GT 635M, PCI Express® x16, 2GB memory, DirectX® 11, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz	 Lenovo Mobile Access Lenovo Cloud Storage All models ThinkVantage System Update Norton™ Internet Security (30 days of virus definitions)
Keyboard	Matte black, Matte red or Matte blue (top): 6-row, spill-resistant,	 Škype^{fM} Microsoft Office preloaded;
TrackPoint [®] Touchpad ThinkLight™	multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	purchase a product key to activate
Dimensions ³	Matte black, Matte red or Matte blue (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39";	
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	377 x 245mm x 29.5-35.3mm 6-cell: from 5.47 lb (2.48kg) Matte black, Matte red or Matte blue (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 5.5 hr 6-cell (62Whr): up to 7.3 hr	
Chipset ExpressCard Multicard Reader Ports	Mobile Intel HM77 Express Chipset None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Card slots Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1, Wi-Fi + BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / PT combo adapter	
WWAN	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	Some: Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required None	
Bluetooth™ Ethernet Audio support	Rolletooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	Supports ThinkVantage® technologies 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
	Power-on password, hard disk password, supervisor password, security keyhole None **UPEK Fingerprint reader on palm rest, swipe sensor** 1-year - depot repair service / service upgrades ²² available	RoHS-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

Type-model Proce	Wide- screen ssor Memory display Camera (SATA Mini	Cle PCIe Mini C Card WWAN N / BT /mSATA	ard Numeric Keypad	Top color	Micro-	Finger Bat- print tery reader cells	Preload	Ann date		
		<u> </u>			<u> </u>				(mm/yy)		
3366-3FG B960		20G 7200 Intel 22			Black textured	Stereo		Win8 64	11/12		
3366-4CG B960 3366-3WG i3-234	•	20G 7200 Intel 22 00G 7200 Intel 22			Black textured Black textured	Mono Mono	None 6 None 6	Win8 64 DOS-Lic.	12/12 01/13		
3366-3VG i3-23		00G 7200 Intel 22			Black textured	Mono	None 6	Win8 64	01/13		
3366-3UG i3-234	•				Black textured	Mono	None 6	Win8 Pro6			
3366-3TG i5-252					Black textured	Mono	None 6	DOS-Lic.	12/12		
3366-3SG i5-252					Black textured	Mono	None 6	Win8 64	12/12		
3366-3RG i5-252					Black textured	Mono	None 6	Win8 Pro6			
3366-53G i3-312					Black textured	Mono	None 6	Win8 64	01/13		
3366-52G i3-312					Black textured	Mono	None 6	DOS-Lic.	01/13		
3366-4ZG i3-312					Black textured	Mono	None 6	Win8 Pro6			
3366-6CG B960	4GBx1 15.6" HD 720p 5				Black textured	Stereo		Win8 64	03/13		
3366-6FG i3-234	18M 4GBx1 15.6" HD 720p 5 32QM 4GBx1 15.6" HD 720p 5				Black textured	Stereo Stereo		DOS-Lic. Win7 Pro6	04/13		
	32QM 4GBx1 15.6 HD 720p 50				Black textured Black textured	Stereo		Win8 64	06/13		
3300-7LG 17-300	52QW 4GBX1 15.0 HD 720p 5	00G 5400 IIIlei 22	230 + DT NOHE	Numpau	DIACK TEXTUTED	Siereo	None o	VVIIIO 04	00/13		
Positioning Processor	downgra Windows e: Windows e: Windows ded applica exclude DO	. 7 Profess stalled thro de rights in s 8 Pro 64-l s 8 64-bit s 8 Pro 64-l ations (online)	sional ugh pit								
Memory	DDR3 memory controller (up to 1 16GB max ⁷ / PC3-12800 1600Ml	,·	,				dows 7 mod ess Connect				
•	dual-channel capable, two 204-p * System automatically clocks do			DR3 mem	ory controller	Thin	kVantage Po kVantage To	ower Mana	ger		
Optical	DVD burner, 12.7mm high, fixed,	<u> </u>					vo SimpleT				
SATA disk	Hard Disk Drive / SATA 3.0Gb/s,					Adol	oe® Reader®				
0.474.74.000	removable, upgradable, Active Pr	otection System™				\A/:		la la			
mSATA™ SSD	None						lows 8 mod ovo Support				
Widescreen	15.6" (396mm) HD (1366x768) o						ovo Support ovo Compan				
display Camera	LED backlight, 220 nits, 16:9 asp HD720p resolution, face track, lo			ndicator			vo Cloud S				
			· · · · · · · · · · · · · · · · · · ·								
Graphics	Intel HD Graphics, Intel HD Graexternal analog monitor support digital monitor support via HDMI supports dual independent displa Max external resolution: 2048x15	via VGA DB-15 cor ™ (supporting HDC ay;	nnector and P to output prote	ected conte	ent);	 All models (exclude DOS models) ThinkVantage System Update Norton™ Internet Security (30 days of virus definitions) Skype™ 					
Keyboard		, spill-resistant, mu					osoft Office				
TrackPoint®	TrackPoint pointing device, Interr		,	•	,,		hase a prod	uct key to a	activate		
Touchpad	UltraNav™, wide touchpad below	keyboard, Tap Zor	nes, multi-touch			• Skyp	e'™				
ThinkLight™	None										
Dimensions ³	377 x	V" (WxDxH): 14.84 : 245mm x 29.5-35.		1.39";							
Weight ² Case color Case material Battery - type ³⁷	6-cell: from 5.4 lb (2.45kg) color Black textured (top); black bottom naterial Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic										
Battery - life ¹⁰	6-cell (48Whr): up to 5.7 hr										
Chipset	Mobile Intel HM77 Express Chi	ipset									
ExpressCard	None	00,40)									
Multicard Reader Ports	4-in-1 reader (MMC, SD, SDHC, Three USB 3.0, one USB 2.0 (pc										
1 0113	external monitor (VGA DB-15, HI		-45)								
PCIe Mini Card	Two PCI Express Mini Card slots		-,			1					
WLAN4	11b/g/n, PCIe Half Mini Card, Inte Wi-Fi + Bluetooth combo adapter	el Centrino® Wirele	ss-N 2230,								
WWAN	None	, _^_				Suppor	rts ThinkVar	ntage® tech	nologies		
Modem	None						t AC adapte				
Bluetooth™	Bluetooth 4.0 wireless, integrated		alf Mini Card				™ Gold ratii				
Ethernet Audio support	Realtek® RTL8111F Gigabit Netw High Definition (HD) Audio, Cone		/ staran snaakor	e 2 watt v	2/	(excl	ude DOS m	odels)			
, ware support	Stereo digital microphone or Mor						GY STAR® 5		nt		
Security	Power-on password, hard disk pa				le	RoHQ-	lude DOS m compliant	ouels)			
Security chip	None	•		•			itional Warra	anty Service	e ¹⁷		
Fingerprint reader						24 hou	r x 7 day18 t	oll-free sup	port		
	1-year - depot repair service / se	rvice upgrades22 av	/aılable			durir	ng the warra	nty period ¹	2		
0 (ore detailed information								@ Longvo		

See footnotes for more detailed information

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Type-model Proces	Wide- screen ssor Memory display Came	Disk SATA ra GB ⁸ rpm	PCIe PC Mini Card WLAN / BT	le Mini C WWAN	ard Numeric Keypad	Top color	Finger Bat- Micro- print tery phone readercells Preload (Ann date mm/yy)
	0M 4GBx1 15.6" HD 720 8M 4GBx1 15.6" HD 720		TP 11a/b/g/n + BT Intel 2230 + BT		· · · · · · · · · · · · · · · · · · ·	Black textured	Stereo None 6 Win7 Pro64 Stereo None 6 Win8 64	02/13
3366-67G 1000N							Stereo None 6 DOS-Lic.	02/13
3366-66G 1000N			Intel 2230 + BT	None			Stereo None 6 Win8 64	02/13
	0M 4GBx1 15.6" HD 720				· · · · · · · · · · · · · · · · · · ·		Stereo None 6 Win7 Pro64	
3366-3EG 1000N			Intel 2230 + BT			Black textured		02/13
	OM 4GBx1 15.6" HD 720 OM 4GBx1 15.6" HD 720						Stereo None 6 Win7 Pro64 Stereo None 6 Win8 64	05/13
3366-72G 2020N							Stereo None 6 Win8 64	05/13
	0M 4GBx1 15.6" HD 720	500G 5400	Intel 2230 + BT				Stereo None 6 DOS-Lic.	05/13
	0M 4GBx1 15.6" HD 720						Stereo None 6 Win8 64	09/13
3366-9DG 1005M	4GBx1 15.6" HD 720	500G 5400	Intel 2230 + B1	ivone	Numpad	Black textured	Stereo None 6 Win8 64	09/13
Positioning Processor	Sophisticated design with Intel® Celeron® 1000M pt DDR3 memory controller Intel Celeron 1005M produced DDR3 memory controller Intel Pentium® 2020M Produced DDR3 memory controller Intel Core™ i3-2348M produced DDR3 memory controller Intel Core i3-3110M produced DDR3 memory controller Intel Core i3-3120M produced DDR3 memory controller Intel Core i5-3230M produced DDR3 memory controller Intel® DDR3 memory c	Preloaded operating system ²⁰ - Some: DOS-Lic Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit Preloaded applications (only some listed, exclude DOS models) - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools						
Memory	DDR3 memory controller	•	,·	2.0 (3.2)	0GHz), H1	technology	Lenovo SimpleTap Adobe® Reader®	
	16GB max ⁷ / PC3-12800 dual-channel capable, two System automatically clo	204-pin SO-DI	MM sockets	MHz DD	R3 memo	ry controller	- Windows 8 models - Lenovo Support	
Optical SATA disk	DVD burner, 12.7mm high			ah.			Lenovo CompanionLenovo Cloud Storage	
SAIA UISK	Hard Disk Drive / SATA 3. removable, upgradable, A			Jı,			Lenovo cioda ciorage	
mSATA™ SSD	None		-,				- All models (exclude DOS me	
Widescreen	15.6" (396mm) HD (1366						 ThinkVantage System Updat Norton™ Internet Security 	te
display Camera	LED backlight, 220 nits, 1				licator		(30 days of virus definitions)	
	HD720p resolution, face to					noccor	• Skype TM	
Graphics	Intel HD Graphics, Intel external analog monitor sidigital monitor support via supports dual independer Max external resolution: 2	ipport via VGA HDMI™ (suppo t display;	DB-15 connector an orting HDCP to output	d it protec	ted conte		 Microsoft Office preloaded; purchase a product key to ac 	ctivate
Keyboard TrackPoint® Touchpad ThinkLight™	Black textured (top): TrackPoint pointing device UltraNav™, wide touchpac None	Internet Scroll			numeric k	eypad		
Dimensions ³	Black textured (top):		кН): 14.84" x 9.65" x x 29.5-35.3mm	1.16-1.	39";			
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	6-cell: from 5.4 lb (2.45kg Black textured (top); black Black textured (top): Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 h) bottom Acrylonitrile-B	utadiene-Styrene (A	BS) plas	stic			
Chipset	Mobile Intel HM77 Expre	ss Chipset						
ExpressCard Multicard Reader	None 4-in-1 reader (MMC, SD, S	DHC SDVC/						
Ports	Three USB 3.0, one USB							
	external monitor (VGA DE		ernet (RJ-45)					
PCIe Mini Card WLAN ⁴	Two PCI Express Mini Cal Some: 11a/b/g/n, PCIe H Wi-Fi + Bluetooth Some: 11b/g/n, PCIe Hal	alf Mini Card, T combo adapter, Mini Card, Inte	2x2 Il Centrino® Wireless	-N 2230	,			
WWAN	Wi-Fi + Bluetooth None	combo adapter,	2x2				Supports ThinkVantage® techno	ologies
Modem	None		NI DOLL III WAN I T	1			65-watt AC adapter	
Bluetooth™ Ethernet	Bluetooth 4.0 wireless, int Realtek® RTL8111F Gigal			rd			EPEAT™ Gold rating	
Audio support	High Definition (HD) Audio	, Conexant 206	371 codec / stereo sp			2/	(exclude DOS models)	.
	Stereo digital microphone	or Mono digital	microphone, combo	audio/r	nic jack		ENERGY STAR® 5.0-compliant (exclude DOS models)	
Security Security chip	Power-on password, hard None	disk password,	supervisor passwor	a, secur	ity keyhole	•	RoHS-compliant	
Fingerprint reader							International Warranty Service	ort
0 1	1-year - depot repair servi	ce / service und	rades ²² available				24 hour x 7 day ¹⁸ toll-free suppoduring the warranty period ¹²	ort
	ore detailed information		,				zamily and manually poriod	

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe Mini Card WLAN / BT		le Mini Ca WWAN /mSATA	ard Numeric Keypad	Top color	Finger print reader	tery	Preload	Ann date (mm/yy)
3260-5AG	A6-4400M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + l	вт	None	Numpad	Matte black	Finger	6	Prem 64	06/12
3260-5BG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + l	ВТ	None	Numpad	Matte black	Finger	6	Prem 64	06/12
3260-5VG	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n +	ВТ	None	Numpad	Matte black	Finger	6	Pro 64	06/12
3260-7AG	A6-4400M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n +	ВТ	None	Numpad	Matte black	Finger	6	None	06/12
3260-A8G	A6-4400M	4GBx1	15.6" HD Glos	720p	750G 5400	TP 11b/g/n +	ВТ	None	Numpad	Matte red	Finger	6	Prem 64	06/12
3260-6QG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n +	ВТ	None	Numpad	Matte black	Finger	6	Pro 64	07/12
3260-6TG	A4-4300M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n +	ВТ	None	Numpad	Matte black	Finger	6	Prem 64	07/12
3260-EMG	A8-4500M	4GBx1	15.6" HD	720p	320G 7200	TP 11b/g/n +	ВТ	None	Numpad	Matte black	Finger	6	DOS-Lic.	. 10/12

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

Processor Processor AMD Accelerated Processor Ad-4300M (cular-ore, 2.506Hz, IMB L2 cache), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated AMD Radeon HD 7450G Graphics, AMD Turbo HD 7450G Graphics, Integrated HD 7450G HD			
Memory 16GB max* / PtC3 12800 1600MHz DDH3, non-partly, dual-channel capable, two 204-pin SO-DIMM sockets		AMD Accelerated Processor A4-4300M (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz),	- Some: No operating system - Some: DOS-Lic Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Ready to install applications¹⁴ (Windows 7 models; only some listed)
SATA disk Mard Disk Drive / SATA 3.0Gb/s, 2.5° wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None Widescreen display Some: 15.6° (3996mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500·1 contrast ratio Some: 15.6° (3996mm) HD (1366x768) color, vibrantiview (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500·1 contrast ratio Graphics AMD Radeon HD Graphics in processor, external analog monitor support via HDM™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 1920x1600 (VGA) @60Hz; 1920x1200 (HDMI)@60Hz Keyboard TrackPoints* TrackPoints* TrackPoints* TrackPoints* Weight² Case color Case material Battery - tipe* 6-cell: from 5.4 lb (2.45kg) Mate black or Matte red (top): 15.6W* (WxDxH): 14.84* x 9.65* x 1.16-1.39*; 377 x 245mm x 29.5-35.3mm Mate black or Matte red (top): trimmed with a thin silver band (side); black bottom Arryclontirile-Budalene-Styrene (ABS) plastic Lithum ion 6-cell Chipset ExpressCand WLAN¹ WWAN Modem Bluetooth* Bluetooth* Bluetooth* Bluetooth* None Bluetooth* Bluetooth* Bluetooth* Chipset* Ryphan* Bluetooth* None Bluetooth* Bluetooth* None Bluetooth* Bluetooth* Bluetooth* None Bluetooth* Bluetooth* John John John John John John John John	Memory		Preloaded applications ¹⁴
Widescreen display Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500.1 contrast ratio Some: 15.6" (396mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500.1 contrast ratio ThinkWantage Power Manager Thin	SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	 Access Connections™ TrueSuite Fingerprint Software (includes password manager
AMD Radeon HD Graphics in processor, external analog monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 1920x1600 (VGA) @ 60Hz; 1920x1200 (HDMI) @ 60Hz Keyboard TrackPoint* pointing device, internet Scroll Bar¹³ (Duchpad ThinkLight™ None Dimensions³ Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, internet Scroll Bar¹³ (Duchpad ThinkLight™ None) Dimensions³ Matte black or Matte red (top): 15.6W* (WxDxH): 14.84* x 9.65* x 1.16-1.39*; 377 x 245mm x 29.5-35.3mm Weight² 6-cell: from 5.4 lb (2.45kg) Matte black or Matte red (top): 15.6W* (WxDxH): 14.84* x 9.65* x 1.16-1.39*; 377 x 245mm x 29.5-35.3mm Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Battery - life¹⁰ Corel (48Whr): up to 6.0 hr Chipset ExpressCard None Multicard Reader Ports Thee USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card WLAN* 11b/g/n, PCIe Half Mini Card Slute (PE) Half Mini Card Slute (Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	 ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap
Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad TrackPoint pointing device, Internet Scroll Bar¹³ (UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None 15.6W™ (WxDxH): 14.84™ x 9.65™ x 1.16-1.39™; 377 x 245mm x 29.5-35.3mm 6-cell: from 5.4 lb (2.45kg) Matte black or Matte red (top): 15.6W™ (WxDxH): 14.84™ x 9.65™ x 1.16-1.39™; 377 x 245mm x 29.5-35.3mm 6-cell: from 5.4 lb (2.45kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 6.0 hr 4 Intimum Ion 6-cell 6-cell (48Whr): up to 6.0 hr 4 Int		AMD Radeon HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;	(30 days of virus definitions) • Adobe® Reader® • Skype™ • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition
Weight² Case color Case material Battery - type³¹ Chipset ExpressCard Multicard Reader Ports PCIe Mini Card WLAN⁴ WWAN None Modem Bluetooth™ Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Ethernet Audio support Security Security Security Fingerprint reader AuthenTec fingerprint reader on palm rest, swipe sensor 377 x 245mm x 29.5-35.3mm Adf (24,54s) Adf (24,8km) x 29.5-35.3mm Acrylonitrile Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell Acrylonitrile-Butadiene-Styrene	TrackPoint® Touchpad	TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch	Corel DVD MovieFactory® Lenovo
Weight² 6-cell: from 5.4 lb (2.45kg) Case color Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Case material Battery - type³²² Battery - life¹⁰ 6-cell (48Whr): up to 6.0 hr Chipset ExpressCard AMD A70M FCH None Multicard Reader None 4-in-1 reader (MMC, SD, SDHC, SDXC) Ports Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card WLAN⁴ 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 None Modem None None Bluetooth™ Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Realtek* RTLB11F Gigabit Network Connection 65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) Audio support Bluetooth 4.0 bdio, conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Security ENERGY STAR® 5.0-compliant (Windows 7 models) Security chip Power-on password, hard disk password, supervisor password, security keyhole RoHS-compliant International Warranty Service¹² Fingerprint reader AuthenTec fingerprint reader on palm rest, swipe sensor 10 de	Dimensions ³		
ExpressCard Multicard Reader Ports	Case color Case material Battery - type ³⁷	6-cell: from 5.4 lb (2.45kg) Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell	
WLAN⁴ WWAN None Modem Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Bluetooth™ Realtek® RTL8111F Gigabit Network Connection Audio support High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Security Power-on password, hard disk password, supervisor password, security keyhole None Fingerprint reader Nume Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) ROHS-compliant International Warranty Service¹ 24 hour x 7 day¹® toll-free support	ExpressCard Multicard Reader	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered),	
Modem Bluetooth™ Bluetooth™ Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Ethernet Audio support Audio support Security Security Security Fingerprint reader None 65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (International Warranty Service¹¹² 24 hour x 7 day¹¹8 toll-free support	WLAN ⁴	11b/g/n, PCle Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1	Supports ThinkVantage® technologies
Limited warranty ¹² 1-year - depot repair service / service upgrades ²² available during the warranty period ¹²	Modem Bluetooth™ Ethernet Audio support Security Security chip Fingerprint reader	None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None AuthenTec fingerprint reader on palm rest, swipe sensor	65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models) RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support
One for the standard form and admitted for the standard form.	Limited warranty ¹²		during the warranty period ¹²

Type-model Proce	ssor Memory	Wide- screen display (Camera	Di: SA GB ⁸	TA	PCIe Mini Card WLAN / BT		e Mini C WWAN /mSATA	Card Numeric Keypad	Top color	Micro- phone	Finger Bar print te reader ce	ry	Preload (Ann date mm/yy)
3260-EHG A8-45 3260-ECG A6-44 3260-EBG A4-43 3260-DVG A6-44 3260-DVG A6-44 3260-DTG A4-43 3260-DSG A4-43 3260-EUG A8-45 3260-EUG A8-45 3260-ENG A8-45 3260-ENG A4-43 3260-FNG A4-43 3260-FNG A4-43 3260-FNG A4-43 3260-FNG A6-44 3260-FNG A8-45	000M 4GBx1 000M 4GBx1	15.6" HD 15.6" HD	720p 720p 720p 720p 720p 720p 720p 720p	500G 500G 500G 500G 750G 500G 500G 320G 500G 500G 320G 500G 500G 500G 500G 500G 500G	7200 7200 7200 7200 7200 7200 7200 7200	TP 11b/g/n +	BT BT BT BT BT BT BT BT BT BT BT BT BT B	None None None None None None None None	Numpad Nu	Matte black Black textured Black textured Black textured Matte black	Stereo Stereo Stereo Stereo Stereo Stereo Stereo Stereo Stereo Mono Mono Mono Stereo	Finger (Finger	66 \ \ 66	Win8 64 Win8 Pro64 Win7 Pro64 Win8 Pro64 Win8 Pro64 Win8 Pro64 Win8 64 Win7 Pro62 OOS-Lic. Win8 64 Win8 Pro64 Win8 Pro64 Win8 Pro64 Win8 64 Win7 Pro64 Win8 64 Win7 Pro64	10/12 10/12 10/12 10/12 10/12 10/12 10/12 10/12 10/12 11/12 12/12 12/12 12/12 07/13 07/13 07/13 07/13
AMD Accelerated Processor A4-4300M (dual-core, 2.50GHz, 1MB L2 cache), integrated AMD Radeon HD 7420G Graphics, AMD Turbo Core technology (up to 3.00GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A6-4400M (dual-core, 2.70GHz, 1MB L2 cache), integrated AMD Radeon HD 7520G Graphics, AMD Turbo Core technology (up to 3.20GHz), integrated DDR3 memory controller (up to 1600MHz) AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz) Preloaded applications (only som											ional gh it				
Memory	16GB max ⁷ dual-channe	l capable, tv	vo 204-	pin SC)-DIMI	VI sockets					listed) - Wind	dows 7 m	ode	els	
Optical SATA disk	DVD burner, Hard Disk D removable, u	rive / SATA	3.0Gb/s	s, 2.5"	wide,	7mm or 9.5mn	n hig	gh,			• Thin • Thin	kVantage	Pov	wer Manag ols	er
mSATA™ SSD	None											ovo Simploe® Read		р	
Widescreen display	15.6 " (396m					glare, 00:1 contrast r	otio				Audi	Je neau	CI.		
Camera						sitive, fixed for			dicator			dows 8 m		els	
Graphics	AMD Radeo	n HD Grap	hics in	proces	ssor,							ovo Suppo ovo Comp		on	
	digital monitors dual	or support v al independe	ia ĤDM ent disp	ll™ (su blay;	pporti	3-15 connecto ng HDCP to o 260Hz; 1920x	utpu	ıt prote		nt);	Lenovo Cloud Storage All models (exclude DOS and No OS models)				nd No
Keyboard						-resistant, mu		_ `		neric keynad			Svs	stem Upda	te
TrackPoint® Touchpad ThinkLight™	Black texture TrackPoint p	ed (top): ointing device	ce, Inte	6-rov	w, spill croll Ba	-resistant, mul	ltime	edia Fn			Nort (30 c)SkypMicro	on™ Inter days of vii be™ osoft Offic	net rus (ce p	Security definitions) reloaded;	
Dimensions ³	Matte black Black texture		d (top):	377 15.6	x 24`5r W" (W	/xDxH): 14.84" mm x 29.5-35. /xDxH): 14.84"	3mn ' x 9	n .65" x 1			purc	nase a pr	oau	ct key to a	clivale
Weight ² Case color	6-cell: from Matte black	or Matte red		trimr	ned w	nm x 29.5-35. ith a thin silver			e); black bo	ottom					
Case material Battery - type ³⁷ Battery - life ¹⁰ Black textured (top): black bottom Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 6.0 hr															
Chipset ExpressCard Multicard Reader Ports	ExpressCard None Multicard Reader 4-in-1 reader (MMC, SD, SDHC, SDXC)														
PCIe Mini Card WLAN ⁴ WWAN	One PCI Exp	press Mini C	ard slo	ot ,		/g/n, Wi-Fi + E	Bluet	ooth co	mbo adap	oter, 1x1	Suppo	rts Think\	/ant	age® techn	ologies
Modem Bluetooth™ Ethernet Audio support	None Bluetooth 4. Realtek® RT High Definiti Stereo digita	L8111F Gig on (HD) Aud al microphor	abit Ne dio, Cor ne or M	etwork (nexant ono dig	Conne 20671 gital m	d WLAN PCIe ection codec / stere icrophone, con pervisor pass	o sp nbo	eakers audio/i	, 2 watt x 2 mic jack		EPEAT (excl ENER((excl	GY STAR lude DOS	ating and 5.0 5.0		t
Security chip Fingerprint reader	None Some: Auth	enTec finge	rprint re	eader o	on palı	n rest, swipe s	sens		Try Royllon		Interna 24 hou	ır x 7 day1	rrar 8 to	nty Service II-free supp	ort
Limited warranty ¹²		· ·	rvice / s	ervice	upgra	des ²² available	;				durir	ng the wa	rran	ty period ¹²	Lenovo

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe PC Mini Card WLAN / BT	Cle Mini C WWAN /mSATA	ard Numeric Keypad	Top color		tery	Preload	Ann date (mm/yy)
3260-8KG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Prem 64	06/12
3260-ELG	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	DOS-Lic.	10/12

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz integrated DDR3 memory controller (up to 1600MHz)	Preloaded operating system ²⁰ - Some: DOS-Lic Some: Genuine Windows® 7 Home Premium 64
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications ¹⁴ (only some listed)
Optical SATA disk mSATA™ SSD	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None	One Key Recovery Pro Preloaded applications¹⁴ (only some listed) Access Connections™
Widescreen display Camera	15.6" (396mm) HD (1366x768) color , anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	TrueSuite Fingerprint Software (includes password manager function)
Graphics	Dynamic switching between discrete and integrated graphics (user selectable), AMD Radeon HD Graphics in processor, and AMD Radeon HD 7670M Graphics, PCI Express® x16, 1GB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 1920x1600 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz	ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™
Keyboard TrackPoint®	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar ¹³	Corel® WinDVD® (DVD±RW) Corel Burn.Now™ Lenovo Edition (DVD±RW)
Touchpad ThinkLight™	UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	Corel DVD MovieFactory® Lenovo Edition (DVD±RW)
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm	
Weight ² Case color Case material	6-cell: from 5.4 lb (2.48kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum	
Battery - type ³⁷ Battery - life ¹⁰	Black aluminum (top): Aluminum Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 hr	
Ports	AMD A70M FCH None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN	One PCI Express Mini Card slot 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 None	Supports ThinkVantage® technologies
Modem Bluetooth™ Ethernet Audio support Security	None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole	90-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant (Windows 7 models)
Security chip Fingerprint reader	None r AuthenTec fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	² 1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe PC Mini Card WLAN / BT	Cle Mini C WWAN /mSATA	ard Numeric Keypad	Top color	Finger print reader	Bat- tery cells		Ann date (mm/yy)
3260-DWG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	Finger	6	Win8 64	10/12
3260-FVG	A8-4500M	4GBx1	15.6" HD	720p	500G 7200	TP 11b/g/n + BT	None	Numpad	Matte black	None	6	DOS-Lic.	07/13
3260-FTG	A8-4500M	4GBx1	15.6" HD	720p	750G 5400	TP 11b/g/n + BT	None	Numpad	Matte black	None	6	Win8 64	07/13

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles AMD Accelerated Processor A8-4500M (quad-core, 1.90GHz, 4MB L2 cache), integrated AMD Radeon HD 7640G Graphics, AMD Turbo Core technology (up to 2.80GHz), integrated DDR3 memory controller (up to 1600MHz)	Preloaded operating system ²⁰ - Some: DOS-Lic Some: Windows 8 64-bit
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed, exclude DOS models) • Lenovo Support
Optical SATA disk mSATA™ SSD	DVD burner, 12.7mm high, fixed, not removable, tray-in Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None	 Lenovo Companion Lenovo Cloud Storage Password Manager Fingerprint Software (fingerprint
Widescreen display Camera	15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	models) ThinkVantage System Update Norton™ Internet Security (30 days of virus definitions)
Graphics	Dynamic switching between discrete and integrated graphics (user selectable), AMD Radeon HD Graphics in processor, and AMD Radeon HD 7670M Graphics, PCI Express® x16, 1GB memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 1920x1600 (VGA) @ 60Hz; 1920x1200 (HDMI) @ 60Hz	• Microsoft Office preloaded; purchase a product key to activate • Skype™
Keyboard TrackPoint® Touchpad ThinkLight™	Matte black or Matte red (top): 6-row, spill-resistant, multimedia Fn keys, numeric keypad Black aluminum (top): 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	
Dimensions ³	Matte black or Matte red (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.16-1.39"; 377 x 245mm x 29.5-35.3mm Black aluminum (top): 15.6W" (WxDxH): 14.84" x 9.65" x 1.12-1.35"; 377 x 245mm x 28.5-34.3mm	
Weight ² Case color Case material	6-cell: from 5.4 lb (2.48kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic	
Battery - type37 Battery - life10	Black aluminum (top): Aluminum Lithium Ion 6-cell 6-cell (48Whr): up to 5.7 hr	
Chipset ExpressCard Multicard Reader Ports	AMD A70M FCH None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN ⁴ WWAN	One PCI Express Mini Card slot 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1 None	Supports ThinkVantage® technologies
Modem Bluetooth™ Ethernet Audio support	None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audio/mic jack	90-watt AC adapter EPEAT™ Gold rating (exclude DOS models) ENERGY STAR® 5.0-compliant (exclude DOS models)
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None Some: AuthenTec fingerprint reader on palm rest, swipe sensor	RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support
Limited warranty ¹²	² 1-year - depot repair service / service upgrades ²² available	during the warranty period ¹²