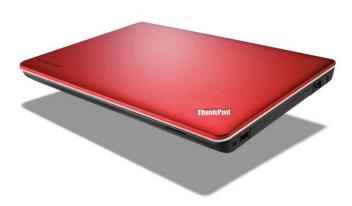
ThinkPad_®



Lenovo® ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430



Lenovo ThinkPad Edge E430c



Lenovo ThinkPad Edge E430

Type-model	Processor	Memory	Wide- screen display	Camera	Dis SAT GB [®] r	Ά	PCIe PC Mini Card WLAN / BT	le Mini C WWAN /mSATA		Top color	Finger print reader	tery	Preload	Ann date (mm/yy
3254-DNU	i3-2350M	4GBx1	14.0" HD	720p	320G 7	7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64	04/12
3254-AHU	i5-2450M	4+2GB	14.0" HD Glos	720p	500G 5	5400	TP 11b/g/n + BT	None	None	Matte black	Finger	6	Prem 64	04/12
3254-AGU	i3-2350M	4+2GB	14.0" HD Glos	720p	500G 5	5400	TP 11b/g/n + BT	None	None	Matte black	Finger	6	Prem 64	04/12
3254-AFU	i3-2350M	2GBx1	14.0" HD Glos	720p	320G 5	5400	TP 11b/g/n	None	None	Matte black		6	Prem 64	04/12
3254-AEU	i5-2450M	4GBx1	14.0" HD	720p	500G 7	7200	Intel 2230 + BT	None	None	Matte black	Finger	6	Pro 64	04/12
3254-ADU	i3-2350M	4GBx1	14.0" HD	720p	500G 7	7200	Intel 2230 + BT	None	None	Matte black	Finger	6	Pro 64	04/12
3254-ACU	i3-2350M	4GBx1	14.0" HD	720p	320G 7	7200	TP 11b/g/n	None	None	Matte black	•	6	Pro 64	04/12
3254-AMU	i5-2450M	4GBx1	14.0" HD	720p	500G 7	7200	Intel 2230 + BT	16GB	None	Black aluminum	Finger	6	Pro 64	04/12
3254-ALU	i3-2350M	4GBx1	14.0" HD	720p	500G 7	7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64	04/12
3254-HJU	i5-2450M	4GBx1	14.0" HD	720p	500G 7	7200	Intel 2230 + BT	None	None	Black aluminum	Finger	6	Pro 64	05/12
						<u> </u>	B) model(s), part of							
Positioning Processor Processor Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB Cache),											e: Genu Home	iine V e Pre	ig system Vindows® mium 64 Vindows 7	7
	DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology											ssior	nal 64	
Momory	1001	D 7 / E	000 10000 1000											

Processor	Intel® Core™ i3-2350M processor (dual-core, 2.30GHz, 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	- 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 * 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™ Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	Preloaded applications¹⁴ (only some listed) • Access Connections™ • TrueSuite Fingerprint Software
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	(includes password manager function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools
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	Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® Skype™ for Windows Corel® WinDVD® (DVD±RW)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys 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): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm	
Weight ² Case color Case material	6-cell: from 4.74 lb (2.15kg) 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	Lithium Ion 6-cell 6-cell (48Whr): up to 6.4 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, 1x1 Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, Wi-Fi + Bluetooth combo adapter, 1x1	Supports ThinkVantage® technologies
WWAN	Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2 None	65-watt AC adapter EPEAT™ Gold rating
Modem Bluetooth™ Ethernet Audio support	None Some: 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	ENERGY STAR® 5.Ö-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole None **Some: UPEK Fingerprint reader on palm rest, swipe sensor	For compatible accessories, please go to O-E430 sheet;
	² 1-year - depot repair service / service upgrades ²² available	For Lenovo ²² service upgrade options, please go to S-EDGE sheet

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCIe F Mini Card WLAN / BT	PCIe Mini C WWAN /mSATA	ard Top color	print	Bat- tery cells	tery	Preload	Ann date (mm/yy)
3254-HKU	i7-3612QM	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	62	Pro 64	05/12
3254-GLU	i5-3210M	4+2GB	14.0" HD Glos	720p	750G 5400	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-GKU	i5-3210M	4+2GB	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-GJU	i5-3210M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Prem 64	06/12
3254-AKU	i5-3210M	4+2GB	14.0" HD Glos	720p	500G 5400	TP 11b/g/n + B	T None	Matte black	Finger	6	48	Prem 64	06/12
3254-AJU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Pro 64	06/12
3254-ANU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-LWU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black aluminum	Finger	6	62	Pro 64	06/12
3254-HMU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Black aluminum	Finger	6	48	Pro 64	06/12
3254-HLU	i3-3110M	4GBx1	14.0" HD	720p	320G 7200	TP 11b/g/n	None	Matte black	None	6	48	Pro 64	06/12
3254-TNU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Pro 64	07/12

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

	• Small and medium business (SMB) model(S), part of the 03 TopSeller - Prog	ram						
Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-3110M processor (dual-core, 2.40GHz, 3MB Cache), DDR3 memory controller (up to 1600MHz), HT technology 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 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 sollisted) • Access Connections™ • TrueSuite Fingerprint Software						
mSATA™ SSD	Some: 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	(includes password manager						
Widescreen display	Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	function) ThinkVantage System Update ThinkVantage Power Manager ThinkVantage Tools						
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	 Lenovo SimpleTap Norton™ Internet Security 2012 						
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	(30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition						
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	(DVD±RW) Corel DVD MovieFactory® Lenovo Edition (DVD±RW)						
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29";							
	339.4 x 234mm x 27.4-32.8mm							
Weight ² Case color	6-cell: from 4.74 lb (2.15kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom							
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum							
Battery - type ³⁷ Battery - life ¹⁰	Lithium Ion 6-cell 6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr							
Chipset ExpressCard	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 Some: 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n,	Supports ThinkVantage® technologies						
	Wi-Fi + Bluetooth combo adapter, 1x1 Some: 11b/g/n, PCle Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	65-watt AC adapter						
WWAN	None	EPEAT™ Gold rating ENERGY STAR® 5.0-compliant						
Modem Bluetooth™	None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	RoHS-compliant						
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²						
Security Security chip	Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None	For compatible accessories, please go to O-E430 sheet;						
	Some: UPEK Fingerprint reader on palm rest, swipe sensor	For Lenovo ²² service upgrade						
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	options, please go to S-EDGE sheet						

ThinkPad® Edge E430 3254 (Intel) - TopSeller (Windows 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 C WWAN /mSATA		Finger print reader	tery	tery	Preload	Ann date (mm/yy)
3254-T3U	i3-3110M	4GBx1	14.0" HD Glos	720p	500G 7200	Intel 2230 + BT	None	Black alum	Finger	6	48	Win8 Pro64	10/12
3254-T2U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12
3254-T1U	i3-3110M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 Pro64	10/12
3254-TQU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12
3254-TPU	i3-3110M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	None	Matte black	Finger	6	48	Win8 64	10/12
3254-TMU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + BT	16GB	Black alum	Finger	6	62	Win8 Pro64	10/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles 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® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ¹⁴ (only some
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	listed) 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: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 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 Skype™
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	. ● Зкуре
Keyboard TrackPoint® Touchpad ThinkLight™	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): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm	
Weight ² Case color	6-cell: from 4.74 lb (2.15kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom	
Case material Battery - type ³⁷	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum Lithium Ion 6-cell	
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 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 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230,	Supports ThinkVantage® technologies
WWAN 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	65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹ 24 hour x 7 day¹8 toll-free support during the warranty period¹²
Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole None	For compatible accessories, please go to O-E430 sheet;
	UPEK Fingerprint reader on palm rest, swipe sensor 1-year - depot repair service / service upgrades ²² available	For Lenovo ²² service upgrade options, please go to S-EDGE sheet

Type-model Pro	cessor	Memory	Wide- screen display	Camera	Dis SA GB ⁸	TA	PCIe Mini Card WLAN / BT	,	e Mini Ca WWAN mSATA	rd Top color	Finger print reader	tery	tery	Preload	Ann date (mm/yy)
	120M	4GBx1	14.0" HD		500G		Intel 2230 + B		None	Matte black	Finger		48	Win8 64	10/12
	120M	4GBx1	14.0" HD		320G		Intel 2230 + B		None	Matte black	Finger		48	Win8 Pro64	
6271-5KU i3-3	120M	4GBx1	14.0" HD Glos	- 1	500G	7200	Intel 2230 + B	ВТ	None	Black alum	Finger	6	48	Win8 Pro64	
	210M	4+2GB	14.0" HD Glos				Intel 2230 + B		None	Black alum	Finger		48	Win8 Pro64	
	210M	4GBx1	14.0" HD		500G		Intel 2230 + B		None	Matte black	Finger		48	Win7 Pro64	
	120M 210M	4GBx1	14.0" HD 14.0" HD		320G 500G		Intel 2230 + B Intel 2230 + B		None 16GB	Matte black Black alum	None Finger	6	48 62	Win7 Pro64 Win7 Pro64	
	120M	4GBx1	14.0" HD		320G		Intel 2230 + B		None	Black alum	Finger		48	Win7 Pro64	
	612QM	4GBx1	14.0" HD		500G		Intel 2230 + B		None	Matte black	Finger		48	Win7 Pro64	
	612QM	4GBx1	14.0" HD		500G		Intel 2230 + B		None	Matte black	Finger		48	Win8 Pro64	
	632QM	4GBx1	14.0" HD		500G		Intel 2230 + B		None	Matte black	Finger		62	Win7 Pro64	
	130M 230M	4GBx1 4+2GB	14.0" HD 14.0" HD		320G 750G		Intel 2230 + B Intel 2230 + B		None None	Matte black Matte black	None Finger	6	48 48	Win7 Pro64 Win7 Pro64	
	230M	4GBx1	14.0" HD		500G		Intel 2230 + B		None	Matte black	Finger		48	Win7 Pro64	
Positioning Processor	Intel® CDDR3 Intel CDDR3	core™ i3· memory ore i3-31 memory ore i5-32 memory ore i5-32 memory ore i7-36 memory ore i7-36	esign with quality 3120M processor controller (up to 30M processor controller (up to 210M processor controller (up to 230M processor controller (up to 2120M process controller (up to 2120M process controller (up to 2120M process	sor (2 cores 1600M) r (4 cores 1600M) sor (4 cores 1600M) sor (4 cores 1600M)	ores, 2 Hz), H es, 2.60 Hz), H es, 2.5 Hz), In es, 2.6 Hz), In ores, 2.	2.50GH T techn 0GHz, 3 T techn 0GHz, 4 tel Turb 0GHz, 4 tel Turb 10GHz tel Turb 20GHz	z, 3MB cache) ology 3MB cache), In ology 3MB cache), Ir o Boost 2.0 (3. 3MB cache), Ir o Boost 2.0 (3. , 6MB cache), o Boost 2.0 (3. , 6MB cache),	ntel ntel .100 ntel .200 Intel .100	tel HD G HD Gra HD Gra GHz), HT HD Gra GHz), HT el HD Gr GHz), HT el HD Gr	phics 4000, phics 4000, technology phics 4000, technology aphics 4000, technology aphics 4000,	- So - So Prelo listed - Wii	me: \ me: \ me: \ me: \ paded ndow cess (Windo 64 pre downg Windo Windo Windo Windo I appli s 7 m Conne	ating system ws® 7 Profess installed throe rade rights in ws 8 Pro 64-b ws 8 64-bit ws 8 Pro 64-b ications (only odels Power Manage	sional ugh bit bit / some
Memory	16GB i	max ⁷ / PC	controller (up to 23-12800 1600N pable, two 204-	ИНz DD	R3, no	n-parity	/,	.200	āНZ), Н∃	technology	• Thi	inkVa novo (ntage Simple Reade	Tools eTap	J O1
Optical SATA disk	DVD b	urner, 12.	.7mm high, fixed / SATA 3.0Gb/s	d, not re	movab	le, tray	-in				- Wir	ndow	s 8 m	odels	
mSATA™ SSD			radable, Active F SATA Solid Sta				Cle Mini Card s	slot			• Ler	novo (Suppo	anion	
Widescreen display	LED ba Some: LED ba	acklight,`2 1 4.0 " (3 acklight, 2	555mm) HD (136 200 nits, 16:9 as 555mm) HD (136 200 nits, 16:9 as	spect rat 66x768) spect rat	io, 500 color io, 500):1 cont , Vibrar):1 cont	rast ratio itView (glossy), rast ratio		.atar		- All • Thi	mod einkVa	els ntage	Storage System Updanet Security	ate
Camera Graphics		<u> </u>	ion, face track, I ics 4000 in prod		sensit	ive, lixe	ed locus, LED II	nuic	ator				of vir	us definitions)
Стартноз	externa digital suppor	al analog monitor s rts dual in	monitor suppor upport via HDM idependent disp solution: 2048x	t via VĜ II™ (sup olay;	porting) HDCF	to output prote			nt);	• Mid			e preloaded; oduct key to a	ıctivate
Keyboard	6-row,	spill-resis	stant, multimedia	a Fn key	S Dor	13									
TrackPoint® Touchpad	I IItra N	oint point	ing device, Inter touchpad belo	rnet Scr	oli Bar Vard Ta	n 7 0n	se multi-touch								
ThinkLight™	None	av , wide	todonpad bolo	w Roybe	ara, re	20 ZOI10	, maiti todom								
Dimensions ³		black or N aluminum	Matte red (top): (top):	339.4 14.0W	x 234r /" (Wx[nm x 2: DxH): 1	3.36" x 9.21" x 8.5-33.9mm 3.36" x 9.21" x 7.4-32.8mm								
Weight ² Case color	Some:	Matte bl	4 lb (2.15kg) ack or Matte red	d (top), t	trimme			nd (s	side); bla	ack bottom					
Case material	Matte I		uminum (top); b Matte red (top):		nitrile-	Butadie	ene-Styrene (Al	BS)	plastic						
Battery - type ³⁷ Battery - life ¹⁰	Lithium 6-cell (า Ion 6-ce <i>(48Whr):</i> เ		711011111	iuiii										
Chipset	,		/ //77 Express Cl	hipset							1				
ExpressCard	None		•	•											
Multicard Reade Ports	Three	USB 3.Ò,	IMC, SD, SDHC one USB 2.0 (p r (VGA DB-15, h	owered),	et (RJ-4	5)								
PCIe Mini Card WLAN ⁴	11b/g/r	n, PCİe H	s Mini Card slot lalf Mini Card, Ir	ntel Cent	trino® V	Vireles	s-N 2230,				65-wa	att AC	adap		iologies
WWAN	None	- Diue(00)	th combo adapte	∪ I, ∠X∠									old re	ating ⁵ 5.0-compliar	nt
Modem	None							_			RoHS	S-com	npliant		
Bluetooth™ Ethernet			ireless, integrate				PCIe Half Mini	Car	rd		Interr	nation	al Wa	rranty Service	9 ¹⁷
Audio support	High D	efinition (11F Gigabit Ne (HD) Audio, Cor	nexant 2	0671 c	codec /	stereo speaker	rs, 2	watt x 2	2/	24 ho	our x 7	day ¹⁸ ne war	8 toll-free sup ranty period12	port
Security Security chip	Power- None	on passv	icrophone, com vord, hard disk p	oasswor	d, supe	ervisor		urity	/ keyhole	Э	For c	ompa O-E4	tible a 30 sh	ccessories, p	lease
Fingerprint reade											For L	enovo	o ²² ser	vice upgrade	
Limited warranty	12 1-year	- depot re	epair service / s	ervice u	pgrade	es ²² ava	ilable				option	ns, ple	ease (go to S-EDGE	sheet

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCle Mini Card WLAN / BT	PCIe Mini C WWAN /mSATA		Finger print reader	Bat- tery cells	Bat- tery /Wh	Preload	Ann date (mm/yy)
6271-A6U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + B	T None	Black alum	Finger	6	48	Win7 Pro64	03/13
6271-A5U	i3-2348M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + B	T None	Black alum	Finger	6	48	Win7 Pro64	03/13
6271-AEU	i3-2348M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + B	T None	Matte black	Finger	6	48	Win7 Pro64	04/13
6271-ADU	i3-2348M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + B	T None	Matte black	Finger	6	48	Win8 Pro64	04/13
6271-ACU	i3-2348M	4GBx1	14.0" HD	720p	320G 7200	Intel 2230 + B	T None	Matte black	Finger	6	48	Win7 Pro64	04/13
6271-ABU	i3-2348M	2GBx1	14.0" HD	720p	320G 7200	Intel 2230 + B	T None	Matte black	Finger	6	48	Win7 Pro64	04/13
6271-AAU	i3-2348M	2GBx1	14.0" HD	720p	320G 7200	Intel 2230 + B	T None	Matte black	Finger	6	48	Win8 Pro64	04/13

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 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
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	- Some: Windows 8 Pro 64-bit Preloaded applications (only some
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	listed) - Windows 7 models - Access Connections™ - ThinkVantage Power Manager
Widescreen display Camera	14.0" (355mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	ThinkVantage Tools Lenovo SimpleTap Adobe® Reader®
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	Windows 8 models Lenovo Support Lenovo Companion Lenovo Mobile Access Lenovo Cloud Storage
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	- All models • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions)
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm Black aluminum (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm	Microsoft Office preloaded; purchase a product key to activate
Weight ² Case color	6-cell: from 4.74 lb (2.15kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom	
Case material	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum	
Battery - type ³⁷ Battery - life ¹⁰	Lithium Ion 6-cell 6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 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)	O This IV
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	Supports ThinkVantage® technologies 65-watt AC adapter
WWAN	None	EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Modem Bluetooth™	None Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card	RoHS-compliant International Warranty Service ¹⁷
Ethernet Audio support	Realtek® RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codec / stereo speakers, 2 watt x 2/	24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Security Security chip	Stereo digital microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole None	For compatible accessories, please go to O-E430 sheet;
Fingerprint reade	r UPEK Fingerprint reader on palm rest, swipe sensor	For Lenovo ²² service upgrade options, please go to S-EDGE sheet
Limited warranty	² 1-year - depot repair service / service upgrades ²² available	options, piease go to 3-LDGE sheet

See footnotes for more detailed information US model(s) announced March 19 or April 16, 2013 US model(s) withdrawn effecive July 2013

ThinkPad® Edge E430 6271 (Intel) - Optimus (T) - W8 - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB ⁸ rpm	PCle Mini Card WLAN / BT	PCIe Mini Ca WWAN /mSATA	rd Top color	Finger print reader	Bat- tery cells	Bat- tery /Wh	Preload	Ann date (mm/yy)
6271-59U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Intel 2230 + B	T 16GB	Black alum	Finger	6	62	Win7 Pro64	10/12

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

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	Preloaded operating system ²⁰ - Windows® 7 Professional 64 preinstalled through downgrade
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	rights in Windows 8 Pro 64-bit Ready to install applications ¹⁴ (only
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™ 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	some listed) • One Key Recovery Pro Preloaded applications ¹⁴ (only some listed)
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio HD720p resolution, face track, low light sensitive, fixed focus, LED indicator	Access Connections™ TrueSuite Fingerprint Software (includes password 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	function) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None	(30 days of virus definitions) • Adobe® Reader® • Skype™ • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition
Dimensions ³	Matte black or Matte red (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm 14.0W" (WxDxH): 13.36" x 9.21" x 1.08-1.29"; 339.4 x 234mm x 27.4-32.8mm	(DVD±RW) • Corel DVD MovieFactory® Lenovo Edition (DVD±RW) • Microsoft Office preloaded;
Weight ² Case color	6-cell: from 4.74 lb (2.15kg) Some: Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom Some: Black aluminum (top); black bottom	purchase a product key to activate
Case material Battery - type ³⁷	Matte black or Matte red (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Black aluminum (top): Aluminum Lithium Ion 6-cell	
Battery - life ¹⁰	6-cell (48Whr): up to 6.4 hr 6-cell (62Whr): up to 8.4 hr	
Chipset ExpressCard	Mobile Intel HM77 Express Chipset None	
Multicard Reader Ports	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 1b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2	Supports ThinkVantage® technologies 90-watt AC adapter
WWAN Modem	None None	EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Bluetooth™ Ethernet Audio support	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	International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²
Security Security chip	Power-on password, hard disk password, supervisor password, security keyhole None	For compatible accessories, please go to O-E430 sheet;
	UPEK Fingerprint reader on palm rest, swipe sensor 1-year - depot repair service / service upgrades ²² available	For Lenovo ²² service upgrade options, please go to S-EDGE sheet

See footnotes for more detailed information US model(s) announced October 23, 2012 US model(s) withdrawn effecive July 2013

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB [®] rpm	PCle P Mini Card WLAN / BT	Cle Mini Ca WWAN /mSATA	ard Carrier	Top color	Finger print reader	Bat- tery cells	Preload	Ann date (mm/yy)
3365-49U	i3-2328M	4GBx1	14.0" HD	0.3M	320G 5400	TP 11b/g/n	None	None	Black textured	None	6	Pro 64	08/12
3365-47U	i3-2328M	2GBx1	14.0" HD	0.3M	320G 5400	TP 11b/g/n	None	None	Black textured	None	6	Pro 64	08/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles Intel® Core™ i3-2328M processor (dual-core, 2.20GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), 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 applications¹⁴ (only some listed) • Access Connections™			
Widescreen display Camera	14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator	TrueSuite Fingerprint Software (includes password manager function) ThinkVantage System Update			
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	 ThinkVantage Power Manager ThinkVantage Tools Lenovo SimpleTap Norton™ Internet Security 2012 (30 days of virus definitions) Adobe® Reader® 			
Keyboard TrackPoint [®] Touchpad ThinkLight™	6-row, spill-resistant, multimedia Fn keys 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) 			
Dimensions ³ Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰	Black textured (top): 14.0W" (WxDxH): 13.36" x 9.21" x 1.12-1.33"; 339.4 x 234mm x 28.5-33.9mm 6-cell: from 4.74 lb (2.15kg) Black textured (top); black bottom Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell 6-cell (48Whr): up to 6.4 hr	Čorel DVD MovieFactory® Lenovo Edition (DVD±RW)			
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)	Supports ThinkVantage® technologies			
PCIe Mini Card WLAN⁴ WWAN Modem Bluetooth™ Ethernet Audio support Security Security chip Fingerprint reade	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 None None None 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	65-watt AC adapter EPEAT TM 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 For compatible accessories, please go to O-E430 sheet; For Lenovo ²² service upgrade			
Limited warranty ¹²	² 1-year - depot repair service / service upgrades ²² available	options, please go to S-EDGE sheet			

See footnotes for more detailed information US model(s) announced August 7, 2012 US model(s) withdrawn effective December 31, 2013

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB ⁸ rp	Ā	PCIe PC Mini Card WLAN / BT	le Mini C WWAN /mSATA		Top color	Finger print reader	Bat- tery cells	Preload	Ann date (mm/yy)
3365-4YU	i3-2328M	4GBx1	14.0" HD	720p	500G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	10/12
3365-4XU	i3-2328M	2GBx1	14.0" HD	720p	320G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	10/12
3365-4AU	i3-2328M	4GBx1	14.0" HD	720p	320G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	10/12
3365-48U	i3-2328M	2GBx1	14.0" HD	720p	320G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	10/12
3365-74U	i3-2348M	4+2GB	14.0" HD Glos	720p	750G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13
3365-73U	i3-2348M	4GBx1	14.0" HD	720p	320G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13
3365-72U	i3-2348M	4GBx1	14.0" HD	720p	500G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win8 Pro64	01/13
3365-6ZU	i3-2348M	4+2GB	14.0" HD Glos	3 720p	750G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13
3365-6YU	i3-2348M	4GBx1	14.0" HD	720p	320G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13
3365-6XU	i3-2348M	2GBx1	14.0" HD	720p	320G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13
3365-6WU	i3-2348M	4GBx1	14.0" HD	720p	500G 5	5400	Intel 2230 + BT	None	None	Black textured	None	6	Win7 Pro64	01/13

Memory 16GB max" / PC2-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; two spindles 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 i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology	Preloaded operating system ²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit			
SATA disk Hard Disk Drive / SATA 3 0Gb/s 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ None Widescreen display Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backtight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color (ynbrat/liver) (glossy), LED backtight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color (ynbrat/liver) (glossy), LED backtight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Graphics Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDM™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA) @ 75Hz; 1920x1200 (HDMI) @ 60Hz Keyboard TrackPoints TrackP	Memory	dual-channel capable, two 204-pin SO-DIMM sockets				
Widescreen display Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 50:01-contrast ratio Some: 14.0" (355mm) HD (1366x768) color Vibrant/lew (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 50:01-contrast ratio Some: 14.0" (355mm) HD (1366x768) color Vibrant/lew (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 50:01-contrast ratio Associated the provided of the provided digital monitor support via VGA DB-15 connector and digital monitor support via VGA DB-15 connection and via VGA	SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	 Access Connections™ ThinkVantage Power Manager 			
Adobe Reader	<u>mSATA™ SSD</u>	None				
Carriera HD/Zupr resolution; lacet racks, low right sensitive, liked rocus, LED indicator	display	LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) HD (1366x768) color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	Adobe® Reader® - Windows 8 models			
external analog monitor support via MOB™ (supporting HDCP to output protected content); support sual independent display; Max external resolution: 2048x1536 (VGA) @ 75Hz; 1920x1200 (HDMI) @ 60Hz Keyboard G-row, spill-resistant, multimedia Fn keys TrackPoint* Drouchpad UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch None Black textured (top): 14.0W* (WxDxH): 13.36* x 9.21* x 1.12-1.33*; 39.4 x 234mm x 28.5-33.9mm Weight² G-cell: from 4.74 lb (2.15kg) 6-cell kextured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell G-(48Wfh): up to 6.4 hr Chipset ExpressCard Multicard Reader Ports Three USB 3.0, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45) PCIe Mini Card WLAN⁴ Universal Modem None Bluetooth™ Bluetooth™ Realtek* RTL8111F Gigabit Network Connection Audio support WAN None None Realtek* RTL8111F Gigabit Network Connection High Definition (HD) Audio, Conexant 20671 codeo / stereo speakers, 2 watt x 2/ Stereo digital microphone, combo audo/inci jack Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader None			 Lenovo Companion 			
TrackPoint® Touchpad Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate ### Microsoft Office preloaded; Purchase a product key to activate of the purchase a product key to activate of the purchase a product	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;	- All models • ThinkVantage System Update • Norton™ Internet Security			
Weight² Case color Case material Battery - type³ Battery - life¹⁰ Chipset ExpressCard Multicard Reader Ports Multicard Reader WLAN⁴ Multicard Reader WLAN² Multicard Reader Multic	TrackPoint® Touchpad	TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, wide touchpad below keyboard, Tap Zones, multi-touch	 Škype^{fM} Microsoft Office preloaded; 			
Weight ² Case color Case material Battery - type ³⁷ Battery - life ¹⁰ Chipset ExpressCard Multicard Reader Ports PCIe Mini Card WLAN ⁴ WWAN Mone Modem Modem Modem Bluetooth [™] Bluetooth 4.0 wireless, integrated in WLAN PCle Half Mini Card Butteroth Butteroth Romand Buetooth Audio support Security Security Security Security Fingerprint reader None Mattery - life ¹⁰ Black textured (top); black bottom Black extured (top); black bottom Bl	Dimensions ³					
ExpressCard Multicard Reader Ports	Case color Case material Battery - type ³⁷	6-cell: from 4.74 lb (2.15kg) Black textured (top); black bottom Black textured (top): Acrylonitrile-Butadiene-Styrene (ABS) plastic Lithium Ion 6-cell				
WLAN ⁴ 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, WWAN None Modem None Bluetooth™ 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 Security chip None WWAN None Bluetooth™ Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card RoHS-compliant International Warranty Service¹¹ 24 hour x 7 day¹¹³ toll-free support during the warranty period¹² For compatible accessories, please go to O-E430 sheet; For Lenovo²² service upgrade	ExpressCard Multicard Reader	None 4-in-1 reader (MMC, SD, SDHC, SDXC) Three USB 3.0, one USB 2.0 (powered),				
WWAN None Modem Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card 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 Security chip Fingerprint reader None Wi-Fi + Bluetooth combo adapter, 2x2 EPEAT™ Gold rating ENERGY STAR® 5.0-compliant International Warranty Service¹¹ 24 hour x 7 day¹® toll-free support during the warranty period¹² For compatible accessories, please go to O-E430 sheet; For Lenovo²² service upgrade						
Security Power-on password, hard disk password, supervisor password, security keyhole Security chip None Fingerprint reader None For compatible accessories, please go to O-E430 sheet; For Lenovo ²² service upgrade	WWAN Modem Bluetooth™ Ethernet	Wi-Fi + Bluetooth combo adapter, 2x2 None 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/	EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day¹8 toll-free support			
T of Leffovor Service appliade	Security chip	Power-on password, hard disk password, supervisor password, security keyhole None	go to O-E430 sheet;			

ThinkPad® Edge E430 Accessories - withdrawn

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Memory 2GB PC3-12800 DDR3 SODIMM 4GB PC3-12800 DDR3 SODIMM Storage and removable storage	0A65722 ann 06/05/12 0A65723 ann 06/05/12	ThinkPad External Battery Charger ⁴⁴ 40Y762 44 Requires the <i>ThinkPad 90W AC Adapter</i> 40Y762	1 ann 04/10/12 5 ann 09/20/05	
Storage and removable storage ThinkPad 16GB mSATA Solid State Cache Drive USB 2.0 Portable 500GB Hard Disk USB 3.0 Secure 500GB Hard Drive USB 3.0 Secure 750GB Hard Drive USB 3.0 Secure 1TB Hard Drive	0B47309 ann 12/11/12 45K1690 ann 05/26/09 0A65619 ann 11/29/11 0A65616 ann 11/29/11 0A65621 ann 08/28/12	 Only compatible with the integrated graphics models. ThinkPad 90W AC Adapter 40Y765 	6 ann 01/05/06 9 ann 09/20/05 3 ann 09/22/09	
ThinkPad Expansion Lenovo® Essential Notebook Stand USB 2.0 Port Replicator with Digital Video Keyboard TrackPoint Cap Collection	45J9292 ann 05/12/09 0A33942 ann 03/22/11 73P2698 ann 12/16/03	More info at www.lenovo.com/support/poweradapters Charging tips for 90W Ultraslim AC/DC Combo Adapter 4 •iPod and iPhone Charge Tip (L10a) 41R448		
Ultraslim Plus Wireless Keyboard and Mouse ⁵² 52 Wireless via 2.4GHz technology using a micro USB Numeric Keypad Preferred Pro USB Keyboard Enhanced Performance USB Keyboard ThinkPad USB Keyboard with TrackPoint Lenovo USB Fingerprint Keyboard Lenovo USB Smartcard Keyboard	0A34032 ann 04/05/11	Lenovo Performance BackPack 41U525 ThinkPad Business Topload Case 43R247 ThinkPad Business Backpack 43R248 ThinkPad Deluxe Expander Case 43R247	3 ann 05/01/07 4 ann 05/01/07 6 ann 05/13/08 2 ann 05/13/08 8 ann 05/13/08	
Mouse ThinkPad Bluetooth Laser Mouse Lenovo Optical Mouse (USB) Lenovo Laser Mouse (USB) ThinkPad USB Laser Mouse Lenovo ScrollPoint® Mouse (USB, Optical) ThinkPad Travel Mouse (USB, Optical) Lenovo Wireless Laser Mouse 52 Wireless via 2.4GHz technology using a micro	0A36407 ann 06/26/12 06P4069 ann 05/21/03 41U3074 ann 01/23/07 57Y4635 ann 12/15/09 31P7405 ann 08/27/02 31P7410 ann 06/04/02 0A36188 ann 12/20/11 size USB receiver.	Lenovo Sport Backpack - Red Lenovo Sport Slimcase - Red Lenovo Sport Messenger - Red Lenovo Sport Backpack - Blue Lenovo Sport Slimcase - Blue Lenovo Sport Hessenger - Blue Lenovo Sport Messenger - Blue Lenovo Sport Backpack - Grey Lenovo Sport Backpack - Grey Lenovo Sport Slimcase - Grey DB4730 Lenovo Sport Slimcase - Grey OB4730	0 ann 05/13/08 6 ann 02/28/12 7 ann 02/28/12 8 ann 02/28/12 8 ann 08/28/12 0 ann 08/28/12 1 ann 08/28/12 3 ann 08/28/12 2 ann 08/28/12	
Security 3M 14.0W Privacy Filter from Lenovo Kensington® MicroSaver® Cable Lock Kensington Twin Head Cable Lock Lenovo Security Cable Lock USB Gemplus GemPC Smart Card Reader	0A61769 ann 04/05/11 73P2582 ann 12/29/03 45K1620 ann 09/30/08 57Y4303 ann 08/24/10 41N3040 ann 02/21/06	More information at www.lenovo.com/support/cases Monitors ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D)69 2448ME ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Screen Cover (USB 2.0) 1452DS	36 ann 09/13/11 16 ann 08/16/11	
Multimedia ThinkPad In-Ear Headphones with mic	57Y4488 ann 01/07/10	More information at www.lenovo.com/support/monitors	i	
Modem USB 2.0 Lenovo Modem	43R1814 ann 02/26/08	Lenovo HDMI to HDMI Monitor Cable Lenovo HDMI to VGA Monitor Cable Lenovo USB 3.0 to DVI/VGA Monitor Adapter Kensington MicroSaver Cable Lock Kensington Twin Head Cable Lock Lenovo Security Cable Lock 57Y430	0 ann 05/01/12 0 ann 05/22/12 9 ann 06/26/12 2 ann 08/14/12 2 ann 12/29/03 0 ann 09/30/08 3 ann 08/24/10 8 ann 09/22/09 ors.	
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		An Options Compatibility Configurator for Lenovo syst	ems	