



Lenovo® ThinkPad Edge E330



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Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> 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

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

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	<ul><li>(Windows 7 models; only some listed)</li><li>OneKey Recovery Pro</li></ul>
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 - life¹   6-cell (62.4 Whr): up to 7.5 hr   Chipset   Mone   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 WILAN⁴   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 ™   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 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 Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Push actylone Battery - life¹0  Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (top), trimmed with a thin silver band (side); black bottom Actylonitrile Pushwave red (tabs) plastic  Battery - life¹0  Actylonitrie Pushwave red (tabs), plastic  Battery - life¹0  Actylonitrie Pushwave red (tabs), plastic  Battery - life²0  Actylonitrie Pushwave red (tabs), plastic  Battery - life²0  Battery - life²0  Actylonitrie Pushwave red (tabs), plastic  Battery - life²0  Buetader (MMC, SD, PDK, SDXC)  Two Usa - life²0  Buetader (	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 <sup>3</sup> Weight <sup>2</sup> Case color Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 <sup>4</sup> 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 <sup>4</sup>	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 <sup>18</sup> 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 <sup>®</sup> rpm	PCle Mini Card WLAN / BT	PCIe Mini Care WWAN /mSATA	d 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

• 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™ 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 <sup>20</sup> - Some: DOS-Lic Some: Genuine Windows 7 Professional 64
Memory	8GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (Windows 7 models; only some listed) • OneKey Recovery Pro
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	<ul> <li>Password Manager</li> <li>Preloaded applications<sup>14</sup> (Windows 7 models; only some listed)</li> </ul>
mSATA™ SSD	None	<ul> <li>Access Connections™</li> </ul>
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	<ul> <li>ThinkVantage System Update</li> <li>ThinkVantage Power Manager</li> <li>ThinkVantage Tools</li> </ul>
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	<ul> <li>Lenovo SimpleTap</li> <li>Norton™ Internet Security 2012         (30 days of virus definitions)</li> <li>Adobe® Reader®</li> <li>Skype™ for Windows</li> <li>Microsoft Office preloaded;</li> </ul>
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 <sup>3</sup> Weight <sup>2</sup> Case color Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 <sup>4</sup> PCIe WWAN	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
SIM card Modem	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	65-watt AC adapter EPEAT™ Gold rating (Windows 7 models) ENERGY STAR® 5.0-compliant
Security Security chip Fingerprint reader	Power-oń password, hard disk password, supervisor password, security keyhole None	(Windows 7 models) RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

See footnotes for more detailed information WE model(s) 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 <sup>®</sup> 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
	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 6 8 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 <sup>7</sup> / 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	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									anion e Access Storage	
Graphics	exteri digita suppo	nal analog I monitor su 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 <sup>13</sup>		•			ce preloaded; oduct key to a	ıctivate
Dimensions <sup>3</sup> Weight <sup>2</sup> 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 <sup>3</sup> Battery - life <sup>10</sup>	<sup>7</sup> 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	<b>Mobi</b> 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 <sup>4</sup>	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 <sup>®</sup> pliant	® 5.0-compliaı	
Fingerprint rea				- /		-:I-I-I-			24 hour x 7	day1	8 toll-free sup	port
Limited warrar	иу" <b>1-уе</b> а	ır - depot re	epair service	e / service	upgrades <sup>22</sup> ava	aliable			during th	e wai	ranty period <sup>12</sup>	-

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> 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, 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 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, 2.60GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology	Preloaded operating system <sup>20</sup> - 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 evelved DOS models)
Memory  Optical SATA disk  mSATA™ SSD	8GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets  * System automatically clocks down for processors with 1333MHz DDR3 memory controller  None  Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™  None	listed, exclude DOS models) - Windows 7 models  • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader®
Widescreen display Camera Graphics	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 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 Cloud Storage  - All models(exclude DOS models)  • ThinkVantage System Update  • Norton™ Internet Security (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	Skype™     Microsoft Office preloaded; purchase a product key to activate
Dimensions <sup>3</sup> Weight <sup>2</sup> Case color  Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 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 <sup>4</sup>	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  Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card,	
SIM card Modem	GPRS/WCDMA/HSPA/HSPA+, GPS Some: User selectable, contract required with service provider None	Supports ThinkVantage® technologies
Bluetooth™ Ethernet Intel AMT Audio support Security Security chip Fingerprint reade	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 (exclude DOS models) ENERGY STAR® 5.0-compliant (exclude DOS models) RoHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support during the warranty period¹2

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> 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		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 <sup>20</sup> - Genuine Windows <sup>®</sup> 7 Home Premium 64
Memory	8GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (only some listed)
Optical SATA disk 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 <sup>14</sup> (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 <sup>3</sup> Weight <sup>2</sup> Case color Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 <sup>4</sup> PCIe WWAN SIM card Modem	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter None None None	
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 <sup>12</sup>	<sup>2</sup> 1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

See footnotes for more detailed information WE model(s) 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 <sup>®</sup> 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	Sophisticated design with quality, durability and reliability for SMB customers; one spindle	Preloaded operating system <sup>20</sup>
Processor	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	- Windows 8 64-bit
Memory	8GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications <sup>14</sup> (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  16CP 200 AT STATE Drive (SSD) via SSCIP Miss Cord alor	Lenovo Companion     Lenovo Cloud Storage     Password Manager     Fingerprint Software (fingerprint
Widescreen display Camera	16GB mSATÁ Šolid State Drive (SSD), via PCle Mini Card slot  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 <sup>3</sup> Weight <sup>2</sup> Case color Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 <sup>4</sup> PCIe WWAN SIM card Modem	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter None None None	
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
	1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

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

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Type-model	Processor	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN / BT	PCIe Mini Ca WWAN /mSATA	rd SIM card	Top color	Bat- tery cells	Preload	Ann date (mm/yy)
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

• 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 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 <sup>20</sup> - Some: DOS-Lic Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64			
Memory	8GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets  * System automatically clocks down for processors with 1333MHz DDR3 memory controller				
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 <sup>14</sup> (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™ • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions)			
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				
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 <sup>3</sup> Weight <sup>2</sup> Case color Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 <sup>4</sup> PCIe WWAN	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			
	<sup>2</sup> 1-year - depot repair service / service upgrades <sup>22</sup> available	24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>			

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 SATA GB <sup>®</sup> rpm	PCIe I Mini Card WLAN / BT	PCIe Mini Ca WWAN /mSATA		Top color	Bat- tery cells	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

Desidente	Combinational designs with swellthy describe and all the first CMD and the combination	<b></b>			
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 <sup>20</sup> - Some: DOS-Lic Some: Windows® 7 Professional 64 preinstalled through downgrade rights in			
Memory	8GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	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  - All models(exclude DOS models)  • ThinkVantage System Update  • Norton™ Internet Security (30 days of virus definitions)  • Skype™  • Microsoft Office preloaded; purchase a product key to activate			
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 <sup>3</sup> Weight <sup>2</sup> Case color Case material Battery - type <sup>37</sup> Battery - life <sup>10</sup>	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 lon 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 <sup>4</sup>	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 <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support			
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>			

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