

ThinkPad Edge E330, E335

ThinkPad®



Lenovo® ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E330



Lenovo ThinkPad Edge E335

ThinkPad Edge E330 3354 (Intel) - TopSeller - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery 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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle 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, DDR3 memory controller (up to 1333MHz), HT technology								Preloaded operating system ²⁰ - Some: DOS-Lic. - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64				
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller								Ready to install applications ¹⁴ (Windows 7 models; only some listed) • OneKey Recovery Pro • Password Manager				
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 ¹⁴ (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) • Adobe® Reader® • Skype™ for Windows				
mSATA™ SSD	None												
Widescreen display	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio												
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus												
Graphics	Intel HD Graphics or Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI)@60Hz												
Keyboard	6-row, spill-resistant, multimedia Fn keys												
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³												
Touchpad	UltraNav™, buttonless touchpad below keyboard												
ThinkLight™	None												
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm												
Weight ²	6-cell: from 3.97 lb (1.80kg)												
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom												
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic												
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication												
Battery - life ¹⁰	6-cell (62.4 Whr): up to 7.5 hr												
Chipset	Mobile Intel HM77 Express Chipset												
ExpressCard	None												
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
PCIe Mini Card	Two PCI Express Mini Card slots												
PCIe WLAN ⁴	Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter												
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS												
SIM card	Some: User selectable, contract required with service provider												
Modem	None												
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card												
Ethernet	Gigabit ethernet, Realtek® RTL8111F												
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												
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available												

See footnotes for more detailed information

WE model(s) announced May 29, June 12, June 26 or August 14, 2012

WE model(s) withdrawn effective April 1, 2014

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(G-PRN1-1) May 2014

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ^a rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery 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 ²⁰ - Some: DOS-Lic. - Some: Genuine Windows 7 Professional 64			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Ready to install applications ¹⁴ (Windows 7 models; only some listed) • OneKey Recovery Pro • Password Manager			
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 ¹⁴ (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) • Adobe® Reader® • Skype™ for Windows • Microsoft Office preloaded; purchase a product key to activate			
mSATA™ SSD	None											
Widescreen display	13.3" (338mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
Graphics	Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz											
Keyboard	6-row, spill-resistant, multimedia Fn keys											
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³											
Touchpad	UltraNav™, buttonless touchpad below keyboard											
ThinkLight™	None											
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm											
Weight ²	6-cell: from 3.97 lb (1.80kg)											
Case color	Midnight black (top), trimmed with a thin silver band (side); black bottom											
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic											
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication											
Battery - life ¹⁰	6-cell (62.4 Whr): up to 7.5 hr											
Chipset	Mobile Intel HM77 Express Chipset											
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card	Two PCI Express Mini Card slots											
PCIe WLAN ⁴	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter											
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS											
SIM card	Some: User selectable, contract required with service provider											
Modem	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											
Ethernet	Gigabit ethernet, Realtek® RTL8111F											
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											
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											

See footnotes for more detailed information

WE model(s) announced June 26 or August 28, 2012

WE model(s) withdrawn effective April 1, 2014

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(G-PRN1-2) May 2014

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 Service¹⁷
24 hour x 7 day¹⁸ toll-free support during the warranty period¹²

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery cells	Preload	Ann date (mm/yy)
3354-BNG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	10/12
3354-BMG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	10/12
3354-BKG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	10/12
3354-BJG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win7 Pro64	10/12
3354-AVG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win8 Pro64	10/12
3354-ATG	i5-3210M	4GBx1	13.3" HD	720p	750G 5400	Intel 2230 + BT	16GB	None	Blue	6	Win8 Pro64	10/12
3354-ASG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	Ericsson	Selectable	Black	6	Win8 Pro64	10/12
3354-ARG	i3-3110M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
3354-AQG	i3-3110M	4GBx1	13.3" HD	720p	500G 7200	TP 11a/b/g/n + BT	None	None	Red	6	Win8 64	10/12
3354-APG	i3-2328M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12
3354-ANG	i3-2328M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win8 Pro64	10/12
3354-AMG	Pen B980	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	None	None	Black	6	Win8 64	10/12
3354-CSG	i3-2348M	4GBx1	13.3" HD	720p	320G 7200	Intel 2230 + BT	None	None	Black	6	Win7 Pro64	01/13
3354-CRG	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	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; one spindle</i> Intel® Pentium® B980 processor (2 cores, 2.40GHz, 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 i3-2348M processor (2 cores, 2.30GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-3110M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p>								<p>Preloaded operating system²⁰ - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications (only some listed) - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader® - Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Mobile Access • Lenovo Cloud Storage - All models • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Skype™ • Microsoft Office preloaded; purchase a product key to activate</p>			
Memory	<p>8GB max⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller</p>											
Optical SATA disk	<p>None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™ <i>Some:</i> 16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot</p>											
mSATA™ SSD												
Widescreen display	<p>13.3" (338mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>											
Camera	<p>HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus</p>											
Graphics	<p>Intel HD Graphics, Intel HD Graphics 3000 or Intel HD Graphics 4000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; <i>Max external resolution: 2048x1536 (VGA) @ 75Hz; 1920x1200 (HDMI) @ 60Hz</i></p>											
Keyboard	<p>6-row, spill-resistant, multimedia Fn keys</p>											
TrackPoint®	<p>TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar¹³</p>											
Touchpad	<p>UltraNav™, buttonless touchpad below keyboard</p>											
ThinkLight™	<p>None</p>											
Dimensions ³	<p>13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm</p>											
Weight ²	<p>6-cell: from 3.97 lb (1.80kg)</p>											
Case color	<p>Midnight black, Heatwave red or Arctic blue (top), trimmed with a thin silver band (side); black bottom</p>											
Case material	<p>Acrylonitrile-Butadiene-Styrene (ABS) plastic</p>											
Battery - type ³⁷	<p>Lithium Ion 6-cell, HW Authentication</p>											
Battery - life ¹⁰	<p>6-cell (62.4 Whr): up to 7.5 hr</p>											
Chipset	<p>Mobile Intel HM77 Express Chipset</p>											
ExpressCard	<p>None</p>											
Multicard Reader	<p>4-in-1 reader (MMC, SD, SDHC, SDXC)</p>											
Ports	<p>Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>											
PCIe Mini Card	<p>Two PCI Express Mini Card slots</p>											
PCIe WLAN ⁴	<p><i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter <i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter</p>											
PCIe WWAN	<p><i>Some:</i> Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS</p>											
SIM card	<p><i>Some:</i> User selectable, contract required with service provider</p>											
Modem	<p>None</p>											
Bluetooth™	<p>Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card</p>											
Ethernet	<p>Gigabit ethernet, Realtek® RTL8111F</p>											
Intel AMT	<p>None</p>											
Audio support	<p>High Definition (HD) Audio, Realtek ALC269 codec / stereo speakers, 2 watt x 2/ dual array digital microphone, combo audio/mic jack</p>											
Security	<p>Power-on password, hard disk password, supervisor password, security keyhole</p>											
Security chip	<p>None</p>											
Fingerprint reader	<p>None</p>											
Limited warranty ¹²	<p>1-year - depot repair service / service upgrades²² available</p>								<p>Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹²</p>			

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

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 (G-PRN1-4) May 2014

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery 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 system²⁰ - Some: DOS-Lic. - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - Some: Windows 8 64-bit Preloaded applications (only some listed, exclude DOS models) - Windows 7 models • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader® - 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			
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller											
Optical	None											
SATA disk	Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™											
mSATA™ SSD	None											
Widescreen display	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
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											
Keyboard	6-row, spill-resistant, multimedia Fn keys											
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³											
Touchpad	UltraNav™, buttonless touchpad below keyboard											
ThinkLight™	None											
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm											
Weight ²	6-cell : from 3.97 lb (1.80kg)											
Case color	Midnight black, Heatwave red or Arctic blue (top), trimmed with a thin silver band (side); black bottom											
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic											
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication											
Battery - life ¹⁰	6-cell (62.4 Whr) : up to 7.5 hr											
Chipset	Mobile Intel HM77 Express Chipset											
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card	Two PCI Express Mini Card slots											
PCIe WLAN ⁴	Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter											
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS											
SIM card	Some: User selectable, contract required with service provider											
Modem	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											
Ethernet	Gigabit ethernet, Realtek® RTL8111F											
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											
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											

See footnotes for more detailed information

WE model(s) announced May 21, or December 17, 2013

WE model(s) withdrawn effective April 1, 2014

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

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ³ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery cells	Preload	Ann date (mm/yy)
3354-94G	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Blue	6	Prem 64	06/12
3354-4PG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Prem 64	06/12

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

Positioning Processor	Sophisticated design with quality, durability and reliability for SMB customers; one spindle Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology		Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Ready to install applications ¹⁴ (only some listed) • OneKey Recovery Pro • Password Manager Preloaded applications ¹⁴ (only some listed) • Access Connections™ • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Norton™ Internet Security 2012 (30 days of virus definitions) • Adobe® Reader® • Skype™ for Windows
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets		
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™		
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
Widescreen display	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio		
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus		
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, 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 <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>		
Keyboard	6-row, spill-resistant, multimedia Fn keys		
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³		
Touchpad	UltraNav™, buttonless touchpad below keyboard		
ThinkLight™	None		
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm		
Weight ²	6-cell: from 3.97 lb (1.80kg)		
Case color	Arctic Blue or Heatwave red (top), trimmed with a thin silver band (side); black bottom		
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic		
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication		
Battery - life ¹⁰	6-cell (62.4 Whr): up to 7.5 hr		
Chipset	Mobile Intel HM77 Express Chipset		
ExpressCard	None		
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)		
PCIe Mini Card	Two PCI Express Mini Card slots		
PCIe WLAN ⁴	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter		
PCIe WWAN	None		
SIM card	None		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Gigabit ethernet, Realtek® RTL8111F		
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		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

Supports ThinkVantage® technologies
90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹²

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 ³ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery cells	Preload	Ann date (mm/yy)
3354-AUG	i5-3210M	4GBx1	13.3" HD	720p	500G 7200	Intel 2230 + BT	16GB	None	Red	6	Win8 64	10/12

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

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; one spindle</i> Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000 , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Windows 8 64-bit Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Password Manager• Fingerprint Software (fingerprint models)• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Microsoft Office preloaded; purchase a product key to activate• Skype™
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™	
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	
Widescreen display	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, 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 <i>Max external resolution: 2048x1536 (VGA)@75Hz; 1920x1200 (HDMI)@60Hz</i>	
Keyboard	6-row, spill-resistant, multimedia Fn keys	
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³	
Touchpad	UltraNav™, buttonless touchpad below keyboard	
ThinkLight™	None	
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.8mm	
Weight ²	6-cell : from 3.97 lb (1.80kg)	
Case color	Heatwave red (top), trimmed with a thin silver band (side); black bottom	
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic	
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication	
Battery - life ¹⁰	6-cell (62.4 Whr) : up to 7.5 hr	
Chipset	Mobile Intel HM77 Express Chipset	
ExpressCard	None	
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Ports	Two USB 3.0 port, one powered USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card	Two PCI Express Mini Card slots	
PCIe WLAN ⁴	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi / BT combo adapter	
PCIe WWAN	None	
SIM card	None	
Modem	None	
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card	
Ethernet	Gigabit ethernet, Realtek® RTL8111F	
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	
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available	

| | | Supports ThinkVantage® technologies |
| | | 90-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹² |

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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Supports ThinkVantage® technologies

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

ThinkPad Edge E335 3355 (AMD) - T - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁵ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery 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 ²⁰ - <i>Some:</i> DOS-Lic. - <i>Some:</i> Genuine Windows® 7 Home Premium 64 - <i>Some:</i> Genuine Windows 7 Professional 64 Ready to install applications ¹⁴ (Windows 7 models; only some listed) • OneKey Recovery Pro • Password Manager Preloaded applications ¹⁴ (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) • Adobe® Reader® • Skype™ for Windows
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller		
Optical SATA disk	None Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Active Protection System™		
mSATA™ SSD	None		
Widescreen display	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio		
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus		
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; <i>Max external resolution: 2048x1536 (VGA)@60Hz; 1920x1200 (HDMI)@60Hz</i>		
Keyboard	6-row, spill-resistant, multimedia Fn keys		
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³		
Touchpad	UltraNav™, buttonless touchpad below keyboard		
ThinkLight™	None		
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm		
Weight ²	6-cell: from 3.97 lb (1.80kg)		
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom		
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic		
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication		
Battery - life ¹⁰	6-cell (62.4 Whr): up to 7.5 hr		
Chipset	AMD A68M FCH		
ExpressCard	None		
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
Ports	Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)		
PCIe Mini Card	One PCI Express Mini Card slot		
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter <i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter		
PCIe WWAN	None		
SIM card	None		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Gigabit ethernet, Realtek® RTL8111F		
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		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

| 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 Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹² | | |

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

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ThinkPad Edge E335 3355 (AMD) - T (Win 8) - withdrawn

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB ⁸ rpm	PCIe Mini Card WLAN / BT	PCIe Mini Card WWAN /mSATA	SIM card	Top color	Battery 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

Positioning Processor	<i>Sophisticated design with quality, durability and reliability for SMB customers; one spindle</i> 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 system²⁰ - <i>Some:</i> DOS-Lic. - <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit - <i>Some:</i> Windows 8 64-bit - <i>Some:</i> Windows 8 Pro 64-bit		
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller											
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 • Access Connections™ • ThinkVantage Power Manager • ThinkVantage Tools • Lenovo SimpleTap • Adobe® Reader®		
mSATA™ SSD	None											
Widescreen display	13.3" (338mm) HD (1366x768) color , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio											
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus											
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; <i>Max external resolution: 2048x1536 (VGA) @60Hz; 1920x1200 (HDMI) @60Hz</i>									- Windows 8 models • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage		
Keyboard	6-row, spill-resistant, multimedia Fn keys											
TrackPoint®	TrackPoint pointing device, "Press-to-Select," Internet Scroll Bar ¹³											
Touchpad	UltraNav™, buttonless touchpad below keyboard											
ThinkLight™	None											
Dimensions ³	13.3W" (WxDxH): 12.67" x 8.98" x 0.79-1.09"; 322 x 228mm x 20-27.7mm											
Weight ²	6-cell: from 3.97 lb (1.80kg)											
Case color	Midnight black or Heatwave red (top), trimmed with a thin silver band (side); black bottom											
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic											
Battery - type ³⁷	Lithium Ion 6-cell, HW Authentication											
Battery - life ¹⁰	6-cell (62.4 Whr): up to 7.5 hr											
Chipset	AMD A68M FCH											
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Two USB 3.0 port, one USB 2.0 (powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card	One PCI Express Mini Card slot											
PCIe WLAN ⁴	<i>Some:</i> 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1, Wi-Fi / BT combo adapter <i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2, Wi-Fi / BT combo adapter											
PCIe WWAN	None											
SIM card	None											
Modem	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card											
Ethernet	Gigabit ethernet, Realtek® RTL8111F											
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											
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available											

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

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Supports ThinkVantage® technologies

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