

Personal Systems Reference Lenovo® Essential Notebooks

January 2012 - Version 412





Lenovo V470



Lenovo V470



Lenovo V470



Lenovo V470







Lenovo V470

	Type-model	Pro- cessor	GHz	Max turbo (GHz)		Widescreen display	CCFL or LED	Cam- era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue- tooth	Battery	Win7 preload
	4396-27U i	7-2630QM	2.00	2.90	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB8	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
	4396-28U i	i3-2310M	2.10		2GBx2	14.0" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
137	4396-2BU i	i3-2330M	2.20		4GBx1	14.0" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
137	4396-2PU i	i5-2430M	2.40	3.00	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
137	4396-2FU i	i7-2670QM	2.20	3.10	4+2GB	14.0" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64

- 14.0" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- · Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password
- · USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20 GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live Essential • CyberLink YouCam				
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Microsoft Office 2010 preloaded; purchase product key to activate				
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW)				
Widescreen display Camera	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	Lenovo Security SuiteUSB Port LockerBioExcess				
Graphics	Intel HD Graphics 3000 in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector					
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key None None Two-button touch pad with scroll feature, multi-touch	Dual-core models: 65-watt AC adapte Quad-core models: 90-watt AC adapte				
Dimensions ³ Weight ² Case color Case material	(WxDxH): 13.4" x 9.2" x 0.8" to 1.2"; 340mm x 234.6mm x 20.7mm to 31.3mm with optical drive and battery: 6-cell: 4.85 lb (2.2 kg) Black top, black bottom Top and palm rest: Aluminum	Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant				
Battery - type Battery - life ¹⁰	Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 5 hr	Limited Warranty¹² ⇒ 1-year warranty*:				
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options (in eligible locations):				
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None Two PCle Mini Card slots 11b/g/n wireless*, PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCle x1 High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) Power-on password, hard disk password, administrator password, security lockhole Fingerprint reader on palm rest, swipe sensor	1-year Lenovo Onsite Repair ¹³ 78Y1532 1-year Onsite with accidental damage protection 78Y1533 2-year Lenovo Onsite Repair ¹³ 78Y1536 3-year Lenovo Depot Repair 78Y1538 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686				

Pro- Type-model cessor	GHz	Max turbo (GHz)	Memory	Widescreen display	Cam- era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Fingerprint reader	Blue- tooth	Battery	Win7 preload
4396-25U i5-2410M 4396-26U i5-2410M														

- 14.0" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	Lenovo OneKey Recovery Lenovo ReadyComm McAfee® VirusScan® Plus (Control of the Control of the
Widescreen display Camera	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	(60 days of virus definitions) • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded;
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® GT 525M, PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector	purchase product key to activate Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW) Lenovo Security Suite
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key None None Two-button touch pad with scroll feature, multi-touch	USB Port Locker BioExcess 90-watt AC adapter
Dimensions ³ Weight ² Case color Case material Battery - type	(WxDxH): 13.4" x 9.2" x 0.8" to 1.2"; 340mm x 234.6mm x 20.7mm to 31.3mm with optical drive and battery: 6-cell: 4.85 lb (2.2 kg) Black top, black bottom Top and palm rest: Aluminum Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 6-cell	Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - life ¹⁰	Up to 5 hr	Limited Warranty ¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCIe x1 High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	(in eligible locations):9 • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair
Security Fingerprint reader	Power-on password, hard disk password, administrator password, security lockhole Fingerprint reader on palm rest, swipe sensor	24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686



Lenovo V570



Lenovo V570



Lenovo V570



Lenovo V570



Lenovo V570



Lenovo V570

Type-mode	Pro-	Memory	Widescreen display	CCFL or LED	Cam- era	Graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	Fingerprint reader	Blue- tooth	Battery	AC adapter	Win7 preload
1066-ABU	i3-2330M	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB8	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
1066-ACU	i5-2410M	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
1066-AEU	i7-2630QM	4+2GB	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	90W	Prem 64
1066-AAU	B950	4GBx1	15.6" HD	LED	2.0M	Intel HD	500GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
[▶] 1066-ARU	i5-2430M	4+2GB	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	65W	Prem 64
1066-ANU	i7-2670QM	4GBx2	15.6" HD	LED	2.0M	Intel HD	750GB	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	90W	Prem 64

- 15.6" widescreen, glossy display with LED backlight Integrated 2.0 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
 • Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® B950 processor (dual-core, 2.10GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i7-2630QM processor (quad-core, 2.00GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i7-2670QM processor (quad-core, 2.20GHz, 6MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Lenovo Energy Management Software
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	Cyberlink Power2Go (DVD±RW) Lenovo Security Suite USB Port Locker
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	BioExcess
Graphics	Intel HD Graphics in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard Numeric keypad Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key Numeric keypad on right of keyboard None None Two-button touch pad with scroll feature, multi-touch	Some: 65-watt AC adapter Some: 90-watt AC adapter
Dimensions ³ Weight ² Case color Case material	(WxDxH): 14.9" x 9.9" x 1.3"; 378mm x 252mm x 32.3mm with optical drive and battery: 6-cell: 5.29 lb (2.4 kg) Silver gray top, black bottom Top and palm rest: Aluminum	Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type Battery - life ¹⁰	Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 5 hr	Limited Warranty¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options (in eligible locations):
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCIe x1 High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone,	1-year Lenovo Onsite Repair ¹³ 78Y1532 1-year Onsite with accidental damage protection 78Y1533 2-year Lenovo Onsite Repair ¹³ 78Y1536 3-year Lenovo Depot Repair 78Y1538
Security Fingerprint reader	microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) Power-on password, hard disk password, administrator password, security lockhole r Fingerprint reader on palm rest, swipe sensor	24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

			PCIe Mini									
Pro- Type-model cessor	Widescreen Memory display	or Cam- LED era	Graphics	SATA disk	SATA optical	Card 802.11	Top color	Fingerprint reader	Blue- tooth	Battery a	AC adapter	Win7 preload
1066-ADU i5-2410M	2+4GB 15.6" HD	LED 2.0M	GT 525M	750GB ⁸	DVD±RW	Intel 1000	Gray	Fingerprint	BT2.1	6-cell	90W	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 2.0 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
 BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
 These systems are Microsoft[®] Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high, Active Protection System™	Lenovo OneKey Recovery Lenovo ReadyComm
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus, LED indicator	McAfee® VirusScan® Plus (60 days of virus definitions) Windows Live Essentials CyberLink YouCam
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics in processor, and NVIDIA GeForce® GT 525M, PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector	Microsoft Office 2010 preloaded; purchase product key to activate Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW)
Keyboard Numeric keypad Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key Numeric keypad on right of keyboard None None Two-button touch pad with scroll feature, multi-touch	Lénovo Security Suite USB Port Locker BioExcess 90-watt AC adapter
Dimensions ³ Weight ² Case color Case material	(WxDxH): 14.9" x 9.9" x 1.3"; 378mm x 252mm x 32.3mm with optical drive and battery: 6-cell: 5.29 lb (2.4 kg) Silver gray top, black bottom Top and palm rest: Aluminum Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	Wireless on/off switch Graphic Optimus/Integrated switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell Up to 5 hr	Limited Warranty ¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	→ 1-year warranty*: * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter → Mail In repair service → Service upgrade options
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support	None Two PCle Mini Card slots 11b/g/n wireless ⁴ , PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCle x1 High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone,	(in eligible locations):9 • 1-year Lenovo Onsite Repair ¹³ • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair
Security Fingerprint reader	microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) Power-on password, hard disk password, administrator password, security lockhole Fingerprint reader on palm rest, swipe sensor	78Y1538 ≈ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

	Type-mode	Pro-	GHz	Max turbo (GHz)		Widescreen display	CCFL or LED	Cam- era	Graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	Fingerprint reader	Blue- tooth	Battery	Win7 preload
	4315-24U	i3-2310M	2.10	None	2GBx2	14.0" HD	LED	0.3M	Intel HD	500GB8	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
63 5	4315-25U	B800	1.50	None	4GBx1	14.0" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64
63 5	4315-26U	i3-2330M	2.20	None	4GBx1	14.0" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64

- 14.0" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage passwords
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	McAfee® VirusScan® Plus (60 days of virus definitions)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	Windows Live Essentials CyberLink YouCam
Widescreen display Camera	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	Microsoft Office 2010 preloaded; purchase product key to activate Lenovo Energy Management Software
Graphics	Intel HD Graphics in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector	Cyberlink Power2Go (DVD±RW)Lenovo Security Suite
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key None None Two-button touch pad with scroll feature, multi-touch	USB Port Locker BioExcess
Dimensions ³ Weight ² Case color Case material	(WxDxH): 13.4" x 9.2" x 1.3"; 340mm x 234.6mm x 33.6mm with optical drive and battery: 6-cell: 4.85 lb (2.2 kg) Black top, black bottom Top and palm rest: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	Integrated models: 65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell Up to 6 hr	Limited Warranty¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options
TV tuner PCIe Mini Card Intel 1000 11b/g/n Bluetooth™ Modem Ethernet	None Two PCIe Mini Card slots Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCIe x1	(in eligible locations): ⁹ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536
Audio support Security Fingerprint reader	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) Power-on password, hard disk password, administrator password, security lockhole Fingerprint reader on palm rest, swipe sensor	• 3-year Lenovo Depot Repair 78Y1538 ≈ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

	Max		CCFL					PCle Mini				
Type-model cessor	turbo GHz (GHz) Memory	Widescreen display	or LED	Cam- era	Graphics	SATA disk	SATA optical	Card 802.11	Top color	Fingerprint reader	Blue- tooth	Win7 Battery preload

4315-23U i5-2410M 2.30 2.90 2GBx2 14.0" HD LED 0.3M GF 410M 500GB8 DVD±RW Intel 1000 Black Fingerprint BT2.1 6-cell Prem 64

- 14.0" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage passwords
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

- ···		
Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64
Memory	8GB max ^z ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed)
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	Lenovo OneKey Recovery Lenovo ReadyComm
Widescreen display Camera	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	McAfee® VirusScan® Plus (60 days of virus definitions) CyberLink YouCam Microsoft Office 2010 preloaded;
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics 3000 in processor, and NVIDIA GeForce® 410M, PCI Express® x16, 1GB DDR3 memory, DirectX® 11, NVIDIA CUDA™ technology, external monitor support via analog VGA DB-15 connector / digital HDMI connector	purchase product key to activate Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW) Lenovo Security Suite
Keyboard Touch controls Light sensor	Full-size keyboard, 6-row, recovery key None None	USB Port Locker BioExcess
Touch pad	Two-button touch pad with scroll feature, multi-touch	Discrete models: 90-watt AC adapter Wireless on/off switch
Dimensions ³ Weight ² Case color Case material	(WxDxH): 13.4" x 9.2" x 1.3"; 340mm x 234.6mm x 33.6mm with optical drive and battery: 6-cell: 4.85 lb (2.2 kg) Black top, black bottom Top and palm rest: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	Graphic Optimus/Integrated switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell Up to 5.8 hr	Limited Warranty ¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	* 1- year warranty * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options
TV tuner PCIe Mini Card Intel 1000 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None Two PCle Mini Card slots 11b/g/n wireless ⁴ , PCle Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCle x1 High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) Power-on password, hard disk password, administrator password, security lockhole Fingerprint reader on palm rest, swipe sensor	(in eligible locations): ³ • 1-year Lenovo Onsite Repair ¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair ¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

	Type-model	Pro- cessor	GHz	Max turbo (GHz)		Widescreen display	CCFL or LED	Cam- era	Graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	Fingerprint reader	Blue- tooth	Battery	Win7 preload
	1068-A2U	i5-2410M	2.30	2.90	2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB8	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
	1068-A3U	i3-2310M	2.10		2GBx2	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Fingerprint	BT2.1	6-cell	Prem 64
U3F	1068-ARU	B800	1.50		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64
CSF	1068-ASU	i3-2330M	2.20		4GBx1	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64
137	1068-B3U	i5-2430M	2.40	3.00	4GBx1	15.6" HD	LED	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Black	Fingerprint		6-cell	Prem 64

- 15.6" widescreen, glossy display with LED backlight
- Integrated 0.3 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage passwords
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Windows Live Essentials • CyberLink YouCam
Memory	8GB max ⁷ ; PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	VeriFace™ Microsoft Office 2010 preloaded;
SATA DVD±RW SATA disk	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high,	purchase product key to activateLenovo Energy Management
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator	Software Cyberlink Power2Go (DVD±RW) Lenovo Security Suite USB Port Locker
Graphics	Intel HD Graphics in processor, uses system memory, external monitor support via analog VGA DB-15 connector / digital HDMI connector	BioExcess
Keyboard Numeric keypad Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key Numeric keypad on right of keyboard None None Two-button touch pad with scroll feature, multi-touch	
Dimensions ³ Weight ² Case color Case material	(WxDxH): 14.9" x 9.9" x 1.3"; 378mm x 252mm x 33.1mm with optical drive and battery: 6-cell: 5.18 lb (2.35 kg) Black top, black bottom Top and palm rest: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	Integrated models: 65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® qualified RoHS-compliant
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell Up to 5.8 hr	Limited Warranty ¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI),	* 1- year on májor electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
TV tuner PCIe Mini Card Intel 1000 11b/g/n Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None Two PCIe Mini Card slots Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Some: 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface None Gigabit ethernet, RealTek® RTL8111E, PCIe x1 High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / one internal analog microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) Power-on password, hard disk password, administrator password, security lockhole r Fingerprint reader on palm rest, swipe sensor	 Service upgrade options (in eligible locations):³ 1-year Lenovo Onsite Repair¹³



Lenovo G460



Lenovo G460







Pro- Type-model cesso	Max turbo Widescreen Cam- GHz (GHz) Memory display era Graphics	PCIe SATA SATA Mini Card Top disk optical 802.11 colo	HDMI con- Blue- Battery Win7 Avail r nector tooth cells preload date						
 677-2GU i3-3301 0677-7CU i3-3701 0677-7DU i5-4601 0677-7TU i5-3701 0677-7UU i5-4601 0677-7SU i3-3701 0677-2WU i5-4301 0677-2WU i5-4301 0677-9UU i3-3801 0677-9XU i5-4801 	M 2.40 4GB 14.0" HD 0.3M Intel HD M 2.53 2.80 4GB 14.0" HD 0.3M Intel HD M 2.40 4GB 14.0" HD 0.3M Intel HD M 2.53 2.80 4GB 14.0" HD 0.3M Intel HD M 2.40 4GB 14.0" HD 0.3M Intel HD M 2.26 2.53 4GB 14.0" HD 0.3M GF 310M M 2.66 3.20 4GB 14.0" HD 0.3M Intel HD M 2.53 4GB 14.0" HD 0.3M Intel HD	500GB DVD±RW 11b/g/n Blac 500GB DVD±RW 11b/g/n Blac 500GB DVD±RW 11b/g/n Blac 500GB DVD±RW 11b/g/n Blac 750GB DVD±RW 11b/g/n Blac 320GB DVD±RW Intel 1000 Blac 500GB DVD±RW Intel 1000 Blac 500GB DVD±RW Intel 1000 Blac 500GB DVD±RW 11b/g/n Blac	k HDMI Blue 6-cell Prem 64 Jan 10 kk HDMI Blue 6-cell Pro 64 Oct 10 kk HDMI Blue 6-cell Pro 64 Oct 10 kk HDMI Blue 6-cell Prem 64 Oct 10 kk HDMI Blue 6-cell Prem 64 Oct 10 kk HDMI Blue 6-cell Prem 64 Dec 10 kk HDMI Blue 6-cell Prem 64 Dec 10 kk HDMI Blue 6-cell Prem 64 Mar 11 kk HDMI Blue 6-cell Prem 64 Mar 11						
	 14.0" widescreen, glossy display Integrated 0.3 megapixel camera and Lenovo helps control access to your notebook by red Lenovo Rescue System provides OneKey red booting into Windows These systems are Microsoft® Office 2010 Pro 	cognizing your face overy and OneKey Antivirus with							
Positioning Processo	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M, i3-370M, or i3 DMI (Direct Media Interface), integrated DDR3 mer Hyper-Threading technology, and 3MB cache Intel Core i5 processor i5-430M, i5-460M, i5-480 DMI (Direct Media Interface), integrated DDR3 mer Intel Turbo Boost, Hyper-Threading technology, and	mory controller (up to 1066MHz), M, or i5-560M with dual-core, mory controller (up to 1066MHz),	Preloaded operating system ²⁰ - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64 Preloaded applications¹⁴ (only some						
Memory	4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, dual-channel capable, two 204-pin SO-DIMM socke <i>Italics:</i> standard memory in both sockets; no s	ets;	listed) ■ Lenovo OneKey Recovery ■ Lenovo ReadyComm ■ ooVoo™						
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removab 320GB (5400 rpm), 500GB (5400 rpm), or 750GB SATA 3.0Gb/s, 9.5mm high		McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® CyberLink YouCam						
Widescreen display Camera	14.0" (355.6mm) HD (1366x768) TFT color, Vibra LED backlight, 220 nits, 16.9 aspect ratio, 500:1 c Camera on top of screen, 0.3-megapixel, fixed focu	ontrast ratio	 Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ Lenovo Energy Management 						
Graphics	Some: Intel HD Graphics in processor, Some: NVIDIA® GeForce® 310M, PCI Express X DirectX 10.1, PureVideo® HD technology, external analog monitor support via VGA DB-15 co digital monitor support via HDMI connector	CUDA™ technology	Software Lenovo DirectShare Cyberlink Power2Go (DVD±RW)						
Keyboard Numeric keypad Touch controls Touch pad	Full-size keyboard, multimedia Fn keys, recovery k None OneKey Theater, mute, volume up, and volume dov Two-button touch pad with scroll feature (no TrackP	vn buttons	65-watt AC adapter						
Dimensions ³ Weight ² Case color	(WxDxH): 13.4" x 9.13" x 0.68" to 1.35"; 340.0mm with optical drive and battery: 6-cell: from 4.85 lb (2.28) Black top, black bottom	x 231.8mm x 17.2 to 34.4mm	Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant						
Case material Battery - type Battery - life ¹⁰	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC Lithium Ion 6-cell <i>Discrete models:</i> up to 3.5 hr; <i>Integrated models:</i>	, ,	Limited Warranty¹²						
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MMC, Memory Stick®, Memory Stick	PRO™, Secure Digital Card,	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter						
Ports	xD-Picture Card™) Two USB 2.0, one USB 2.0/eSATA combo port, ext ethernet (RJ-45)	ernal monitor (VGA DB-15, HDMI),	 ✓ Mail In repair service ✓ Service upgrade options⁵⁸ (in eligible locations):⁹ 						
TV tuner PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter Bluetooth 2.1 wireless, USB 2.0 interface None 10/100 ethernet, RealTek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 costereo speakers (2 watt x 2) /		3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533						
Security Fingerprint reader	microphone, microphone input jack (3.5 mm), head Power-on password, hard disk password, supervise None		Toll-free support for warranty issues during the warranty period ¹² via 877-453-6686						

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See footnotes for important warranty information

"" US models announced March 2, 2011; previous models on January 26, October 20, or December 1, 2010

"US model withdrawn effective December 2010

Type-model	Pro- cessor	GHz	Max turbo (GHz)	\ Memory	Videscreen display	Cam- era	Graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	HDMI con- nector			Win7 preload
4328-24U	i3-2310M	2.10		2GBx2	14.0" HD	2.0M	Intel HD	500GB8	DVD±RW	11b/g/n ²⁸	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-25U	i3-2310M	2.10		2GBx2	14.0" HD	2.0M	Intel HD	500GB	DVD ±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-26U	i5-2410M	2.30	2.90	2GBx2	14.0" HD	2.0M	Intel HD	500GB	DVD ±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-27U	i5-2410M	2.30	2.90	2+4GB	14.0" HD	2.0M	HD 6370M	640GB	DVD ±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-2UU	i5-2410M	2.30	2.90	2GBx2	14.0" HD	2.0M	Intel HD	500GB	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-2VU	i5-2410M	2.30	2.90	4GBx2	14.0" HD	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-2WU	i5-2410M	2.30	2.90	4GBx2	14.0" HD	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-35U	i5-2410M	2.30	2.90	2+4GB	14.0" HD	2.0M	Intel HD	750GB	DVD±ŘW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-34U	B800	1.50		4GBx1	14.0" HD	2.0M	Intel HD	500GB	DVD ±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
4328-39U	i3-2330M	2.20		4GBx1	14.0" HD	2.0M	Intel HD	500GB	DVD ±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
4328-3DU	i5-2430M	2.40	3.00	4GBx1	14.0" HD	2.0M	Intel HD	500GB	DVD ±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-3CU	i5-2430M	2.40	3.00	4+2GB	14.0" HD	2.0M	Intel HD	750GB	DVD ±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64
4328-3BU	i5-2430M	2.40	3.00	4GBx2	14.0" HD	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	Blue	6-cell	Prem 64

- 14.0" widescreen, glossy display
 Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These system are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processo	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (dual-core, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2310M processor (2 cores / 4 threads, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i5-2410M processor (2 cores / 4 threads, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz) Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader®
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	CyberLink YouCam Microsoft Office 2010 preloaded;
Diskette drive SATA optical SATA disk	None Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in 500GB (5400 rpm), 640GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Lenovo DirectShare
Widescreen display Camera	14.0" (355.6mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus	Cyberlink Power2Go (DVD±RW)
Graphics	Some: Intel HD Graphics in processor; Some: AMD Radeon™ HD 6370M Graphics, PCI Express x16, 512MB memory, DirectX® 11; external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)	Integrated models: 65-watt AC adapter
Keyboard Numeric keypad Touch pad Dimensions ³	Full-size keyboard, multimedia Fn keys, recovery key None Two-button touch pad with scroll feature (no TrackPoint®), multi-touch (WxDxH): 13.4" x 9.13" x 0.68" to 1.35"; 340.0mm x 231.8mm x 17.2 to 34.4mm	Discrete models: 90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Weight ² Case color Case material Battery - type Battery - life ¹⁰	with optical drive and battery: 6-cell: from 4.85 lb (2.2kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Discrete models: up to 5 hr; Integrated models: up to 6 hr	Limited Warranty ¹² 1-year warranty*: 1- year on major electronic components (including battery),
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	90-day on keyboard, hinges, plastics, power cord, AC adapter
TV tuner PCle Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	(in eligible locations): • 3-year Depot warranty 78Y1538 • 1-year Mail In with accidental damage protection 55Y2511 • 3-year Mail In with accidental damage protection 78Y1539 • 3-year Onsite warranty 78Y1540 • 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period¹²
Security Fingerprint reade	Hard disk password, user password, administrator password, security lockhole r None	via 877-453-6686

	Max turbo Type-model cessor GHz (GHz) Memo			Memory	Widescreen display	Cam- era	Integrated graphics		SATA optical	PCle Mini Card 802.11	Top color	HDMI con- nector	Express- Card	eSATA port	Win7 preload	Avail date	
	0679-3JU	i5-430M	2.26	2.53	4GB	15.6" HD	0.3M	Intel HD	320GB8	DVD±RW	11b/g/n ²⁸	Black	HDMI	/34	eSATA	Prem 64	Apr 10
	0679-98U	P6100	2.00		4GB	15.6" HD	0.3M	Intel HD	500GB	DVD ±RW	11b/g/n	Black				Prem 64	Aug 10
	0679-99U	P6100	2.00		4GB	15.6" HD	0.3M	Intel HD	320GB	DVD ±RW	11b/g/n	Black				Prem 64	Aug 10
rsp	0679-AJU	P6200	2.13		2GB	15.6" HD	0.3M	Intel HD	250GB	DVD ±RW	11b/g/n	Black				Prem 64	Feb 11
BF	0679-ALU	P6200	2.13		4GB	15.6" HD	0.3M	Intel HD	320GB	DVD ±RW	11b/g/n	Black				Prem 64	Feb 11
B.	0679-AKU	i3-380M	2.53		4GB	15.6" HD	0.3M	Intel HD	500GB	DVD ±RW	11b/g/n	Black				Prem 64	Feb 11

- 15.6" widescreen, glossy display
 Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software
- helps control access to your notebook by recognizing your face
 Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processo	Widescreen flexibility; two-spindle Intel® Pentium® processor P6100 or P6200 with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 3MB cache or Intel Core™ i3 processor i3-380M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions)
Memory	2GB or 4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; 1 socket available	Àdobe® Reader® CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 250GB (5400 rpm), 320GB (5400 rpm), or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	VeriFace™ Lenovo Energy Management Software Lenovo DirectShare Cenovo DirectShare
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus	Cyberlink Power2Go (DVD±RW)
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (on selected models)	
Keyboard Numeric keypad Touch controls Touch pad Dimensions ³	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard OneKey Theater, mute, volume up, and volume down buttons One-piece touch pad with two button function, supports scroll feature (WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm	65-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant
Weight ² Case color Case material	with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	RoHS-compliant Limited Warranty ¹²
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell 6-cell: up to 4 hr	 ⇒ 1-year warranty*: * 1- year on major electronic
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset Some: One slot (ExpressCard/34) 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service
Ports	Two USB 2.0, one USB 2.0/eSATA combo port (eSATA available on selected models), ethernet (RJ-45), monitor (VGA DB-15, HDMI on selected models)	Service upgrade options ⁵⁸ (in eligible locations):9
TV tuner PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reade	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter None None 10/100 ethernet, RealTek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, hard disk password, supervisor password, security lockhole	3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period¹² via 877-453-6686

Pro Type-model ces	o- ssor GHz	Max turbo (GHz)) Memory	Widescreen display	Cam- era	Integrated graphics	SATA disk	SATA optical	Mini PCle 802.11 wireless	Top color	HDMI con- nector	Blue- tooth	Battery cells	Win7 preload	Avail date	
0679-2311 i3-3	30M 2 13	None	4GR	15 6" HD	0.3M	Intel HD	320GB8	DVD+RW	11h/a/n ²⁸	Black	HDMI	None	6-cell	Prem 64	Apr 10	

- 15.6" widescreen, glossy display
- Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processo	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ - Genuine Windows ⁸ 7 Home Premium 64 - Preloaded applications ¹⁴ (only some
Memory	4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	listed) Lenovo OneKey Recovery Lenovo ReadyComm
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	ooVoo™ McAfee® VirusScan® Plus (60 days of virus definitions) (60 days of virus definitions)
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus	Adobe® Reader® CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector	VeriFace TM Lenovo Energy Management Software
Keyboard Numeric keypad Touch controls Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard OneKey Theater, mute, volume up, and volume down buttons One-piece touch pad with two button function, supports scroll feature	Lenovo DirectShare Cyberlink Power2Go (DVD±RW) 65-watt AC adapter
Dimensions ³ Weight ² Case color	(WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black top, black bottom	Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant
Case material Battery - type Battery - life ¹⁰	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell 6-cell: up to 4 hr	Limited Warranty ¹²
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service
Ports	Two USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Service upgrade options ⁵⁸ (in eligible locations):9
TV tuner PCle Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter None None 10/100 ethernet, RealTek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) /	3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533
Security Fingerprint reader	microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, hard disk password, supervisor password, security lockhole	Toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information US model announced May 12, 2010

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Pro- Type-model cessor	GHz	Memory	Widescreer display	Cam-	Integrated graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	HDMI connector	Blue- tooth	Battery cells	Win7 preload	Avail date
0679-2AU i3-330M	2 13	4GB	15.6" HD	0.3M	Intel HD	320GB8	DVD+RW	11b/g/n ²⁸	Black	HDMI	None	6-cell	Prem 64	.lan 10

- 15.6" widescreen, glossy display
- Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processo	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64 - Preloaded applications ¹⁴ (only some
Memory	4GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available	listed) Lenovo OneKey Recovery Lenovo ReadyComm
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	ooVoo™ McAfee® VirusScan® Plus (60 days of virus definitions)
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus	Adobe® Reader® CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector	VeriFace [™] Lenovo Energy Management Software
Keyboard Numeric keypad Touch controls Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard OneKey Theater, mute, volume up, and volume down buttons One-piece touch pad with two button function, supports scroll feature	Lenovo DirectShare Cyberlink Power2Go (DVD±RW) 65-watt AC adapter
Dimensions ³ Weight ² Case color Case material	(WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant Limited Warranty ¹²
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell 6-cell: up to 4 hr	⇒ 1-year warranty*:
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Two USB 2.0, one USB 2.0/eSATA combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options ⁵⁸ (in eligible locations): ⁹
TV tuner PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter None None 10/100 ethernet, RealTek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2) /	3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533
Security Fingerprint reader	microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, hard disk password, supervisor password, security lockhole None	Toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information US model announced January 26, 2010

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CCFL											Mini PCle				
	Pro-			Widescreen		Cam-	Integrated		SATA	SATA	802.11	Top	Card Blue-	Win7	Avail
	Type-model cessor	GHz	Memory	display l	LED	era	graphics	Chipset	disk	optical	wireless	color	reader tooth	preload	date
	1050-42LL T3500	2 10	2GBv1	15.6" HD.I	FD	U 3M	4500MHD	GM45	250GR8	DVD+RW	11h/a/n ²⁸	Dark Blue	5-in-1 None	Prom 64	Δnr 11

- 15.6" widescreen, glossy display
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® Processor T3500 with dual-core, 800MHz system bus, and 1MB L2 cache	Preloaded operating system ²⁰ - Genuine Windows 7 Home Premium 64
Memory	8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed)
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable	Lenovo OneKey Recovery Lenovo ReadyComm ooVoo** Model Virus Coop Rivs
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio Camera on top of screen, 0.3-megapixel, fixed focus	McAfee® VirusScan® Plus (60 days of virus definitions) Windows Live™ Essentials OvberLink YouCam
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, external analog monitor support via VGA DB-15 connector; Max external resolution: 2048x1536@85Hz (VGA)	VériFace™ Lenovo Energy Management Software
Keyboard Numeric keypad Touch pad	Full-size keyboard, Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	Cyberlink Power2Go (DVD±RW) Microsoft Office 2010 preloaded; purchase product key to activate
Dimensions ³ Weight ² Case color Case material	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6 kg) Dark blue top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	65-watt AC adapter Wireless on/off switch RoHS-compliant
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell 6-cell: up to 4 hr	Limited Warranty ¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub None 5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Three USB 2.0, external monitor (VGA), ethernet (RJ-45)	* 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options
TV tuner Mini PCI Express 11b/g/n Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None One Mini PCI Express slot 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® or Atheros® chip None None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant 20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Power-on password, user password, supervisor password, security lockhole	(in eligible locations): • 3-year Depot warranty 78Y1538 • 3-year Mail In with accidental damage protection 78Y1539 • 3-year Onsite warranty 78Y1540 • 1-year Onsite with accidental damage protection 78Y1533 ▼ Toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information US model announced April 7, 2011

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Type-model	Pro- cessor	GHz	Max turbo (GHz)	\ Memory	Widescreen display	Cam- era	Integrated graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	HDMI connector	Blue- tooth	Battery cells	Win7 preload
4334-46U	i3-2310M	2.10		4GBx1	15.6" HD	0.3M	Intel HD	500GB8	DVD±RW	11b/g/n ²⁸	Dark brown	HDMI		6-cell	Prem 64
4334-5NU	i3-2310M	2.10		2GBx2	15.6" HD	0.3M	Intel HD	320GB	DVD ±RW	11b/g/n	Dark brown			6-cell	Prem 64
4334-5TU	i3-2310M	2.10		2GBx2	15.6" HD	0.3M	Intel HD	750GB	DVD ±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
4334-62U	B940	2.00		2+1GB	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-4JU	B940	2.00		2GBx1	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-4QU	B940	2.00		2GBx2	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7RU	B950	2.10		2GBx1	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7UU	B950	2.10		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7PU	i3-2330M	2.20		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-7QU	i3-2330M	2.20		4+2GB	15.6" HD	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
4334-8PU	i5-2430M	2.40	3.00	4GBx1	15.6" HD	0.3M	Intel HD	750GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-9HU	B960	2.20		2GBx1	15.6" HD	0.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-9EU	B960	2.20		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-9LU	i3-2350M	2.30		4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64
4334-9KU	i5-2450M	2.50	3.10	4GBx1	15.6" HD	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black			6-cell	Prem 64

- 15.6" widescreen, glossy display
 Integrated 0.3 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
 These systems are Microsoft Office 2010 Product Key Ready (O10PKR)

	These systems are Microsoft Office 2010 Product Key Ready (O10PKR)	
Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® B940 processor (2 cores / 2 threads, 2.00GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Pentium B950 processor (2 cores / 2 threads, 2.10GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Pentium B960 processor (2 cores / 2 threads, 2.20GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2310M processor (2 cores / 4 threads, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2330M processor (2 cores / 4 threads, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2350M processor (2 cores / 4 threads, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz) Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • CyberLink YouCam • Microsoft® Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Lenovo DirectShare Cyberlink Power2Go (DVD±RW)
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector, Some: digital monitor support via HDMI connector	
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black or dark brown top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 6-cell Integrated models: up to 6 hr	Limited Warranty¹² ≈ 1-year warranty*: * 1- year on major electronic
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI on some models), ethernet (RJ-45)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
TV tuner PCle Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reade	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole r None	3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period¹² via 877-453-6686

Type-model	Pro- cessor		Max turbo (GHz)		Widescreen display	Cam- era	Integrated graphics	SATA disk GB ⁸ rp		SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector		Battery cells	Win7 preload
4334-2KU 4334-4AU 4334-5JU 4334-5HU 4334-5ZU	i3-2310M i5-2410M i5-2410M i5-2410M i5-2410M B940 B940 B900 i5-2430M i5-2430M i5-2430M i5-2430M i5-2430M i5-2430M i5-2430M i5-2430M	2.10 2.30 2.30 2.30 2.00 2.00 1.50 2.40 2.40 2.40 2.40 2.50	2.90 2.90 2.90 2.90 3.00 3.00 3.00 3.00 3.10	2GBx2 2GBx2 2GBx2 4GBx2 4GBx1 4GBx1 4GBx1 4GBx1 4GBx2 4+2GB 4+2GB 4+2GB 4GBx2 4GBx2	15.6" HD 15.6" HD	2.0M 2.0M 2.0M 2.0M 2.0M 2.0M 2.0M 2.0M	Intel HD	500GB 5-500GB 5-750GB 5-750GB 5-500GB 5-500GB 5-500GB 5-7500GB 7-750GB 5-7500GB 5-75	400 400 400 400 400 400 400 400 400 200 2	DVD±RW DVD±RW Blu-ray DVD±RW	11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n 11b/g/n	Dark brown	HDMI HDMI HDMI HDMI HDMI HDMI HDMI HDMI	Blue Blue Blue Blue Blue Blue Blue Blue	6-cell 6-cell 6-cell 6-cell 6-cell 6-cell 6-cell 6-cell 6-cell 6-cell 6-cell 6-cell	Prem 64 Prem 64

- 15.6" widescreen, glossy display
- Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

	• These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)	
Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (2 cores / 2 threads, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Pentium® B940 processor (2 cores / 2 threads, 2.00GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2310M processor (2 cores / 4 threads, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2350M processor (2 cores / 4 threads, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i5-2410M processor (2 cores / 4 threads, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz) Intel Core i5-2430M processor (2 cores / 4 threads, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz) Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz) Intel Core i5-2450M processor (2 cores / 4 threads, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfe® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	Lenovo Energy Management Software Lenovo DirectShare
Diskette drive SATA optical SATA disk	None Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray [™] Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in 500GB (5400 rpm), 500GB (7200 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	Cyberlink Power2Go (DVD±RW)
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics in processor, uses system memory, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector	
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Dark brown top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Discrete models: up to 5 hr; Integrated models: up to 6 hr	RoHS-compliant Limited Warranty¹² 1-year warranty*: 1- year on major electronic
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options ⁵⁸ (in eligible locations): ⁹
TV tuner PCIe Mini Card 11b/g/n² Bluetooth™ Modem Ethernet Audio support Security Fingerprint reade	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole r None	3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period¹² via 877-453-6686

Type-model Proce	essor GHz	Memory	Widescreen display	Cam- era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector		Battery cells	Win7 preload
4383-48U AMD 4383-3CU AMD 4383-3YU AMD 4383-4HU AMD	E-350 1.60 E-450 1.65	1+2GB 4GBx1	15.6" HD LED 15.6" HD LED 15.6" HD LED 15.6" HD LED	0.3M 0.3M	HD 6310M HD 6320M	320GB 500GB	DVD±RW DVD±RW DVD±RW DVD±RW	11b/g/n 11b/g/n	Black Black Black Black	None None	None	6-cell 6-cell	Prem 64 Prem 64 Prem 64 Prem 64

- 15.6" widescreen, glossy display
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
 Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without
- booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310M Graphics, integrated DDR3 memory controller (up to 1066MHz)	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64
	AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon HD 6320M Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded applications ¹⁴ (only some listed) Lenovo OneKey Recovery Lenovo ReadyComm
Memory	8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, two 204-pin SO-DIMM sockets	ooVoo™
Diskette drive SATA optical SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader®
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus	 CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™
Integrated graphics	Some: AMD Radeon HD 6310M Graphics, in processor, DirectX® 11, use system memory, Some: AMD Radeon HD 6320M Graphics, in processor, DirectX 11, use system memory, External monitor support via analog VGA DB-15 connector	Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW)
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	40-watt AC adapter Wireless on/off switch EPEAT™ Gold rating
Dimensions ³ Weight ² Case color	($WxDxH$): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black top, black bottom	ENERGY STAR® 5.0-compliant RoHS-compliant
Case material Battery - type Battery - life ¹⁰	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Integrated models: up to 6 hr	Limited Warranty¹²
Chipset ExpressCard/34 Multicard reader Ports	AMD A50M FCH None 2-in-1 reader (MMC, Secure Digital Card) Four USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service
TV tuner	None	Service upgrade options ⁵⁸
PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support	One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip None None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	 Service upgrade options (in eligible locations):⁹ 3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental

Type-model Processor GHz Mem	Widescreen Cam- ry display era		Top HDMI color connector	Blue- Battery tooth cells	Win7 preload
	1 15.6" HD LED 2.0M 1 15.6" HD LED 2.0M		Black None Black None	None 6-cell None 6-cell	

- 15.6" widescreen, glossy display
 Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
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Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor E-350 (dual-core, 1.60GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6310M Graphics, integrated DDR3 memory controller (up to 1066MHz)	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some
Memory	8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, two 204-pin SO-DIMM sockets	listed)
Diskette drive SATA optical SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	Lenovo OneKey Recovery Lenovo ReadyComm ooVoo™
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus	McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® CyberLink YouCam
Integrated graphics	AMD Radeon HD 6310M Graphics , in processor, DirectX® 11, use system memory, External monitor support via analog VGA DB-15 connector	Microsoft Office 2010 preloaded; purchase product key to activate
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	VeriFace™ Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW)
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Integrated models: up to 6 hr	40-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader Ports	AMD A50M FCH None 2-in-1 reader (MMC, Secure Digital Card) Four USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)	Limited Warranty¹²
TV tuner PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reade	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip None None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole r None	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options ⁵⁸ (in eligible locations):9 • 3-year Depot warranty 78Y1538 • 1-year Mail In with accidental damage protection 55Y2511 • 3-year Mail In with accidental damage protection 78Y1539 • 3-year Onsite warranty 78Y1540 • 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information US models announced August 10, 2011

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Type-model	Processor	GHz	Memory	Widescreen display	Cam- era	Graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	HDMI connector	Blue-	Battery cells	Win7 preload	
4383-4PU	AMD E-450	1.65	4+2GB	15.6" HD LED	0.3M	HD 6370M	750GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	BT2.1	6-cell	Prem 64	

- 15.6" widescreen, glossy display
- Integrated 0.3 or 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle AMD Accelerated Processor E-450 (dual-core, 1.65GHz, 1MB L2 cache), integrated AMD Radeon™ HD 6320M Graphics, integrated DDR3 memory controller (up to 1333MHz)	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64 Preloaded applications ¹⁴ (only some
Memory	8GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, two 204-pin SO-DIMM sockets	listed)
Diskette drive SATA optical SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	Lenovo OneKey Recovery Lenovo ReadyComm ooVoo™
Widescreen display Camera	15.6" (396.2mm) HD (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel or 2.0-megapixel, fixed focus	McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® CyberLink YouCam
Switchable graphics	Dynamic switching between discrete and integrated graphics (user selectable), AMD Radeon HD 6320M Graphics in processor, and AMD Radeon HD 6370M Graphics, PCI Express® x16, 1GB memory, DirectX® 11, external analog monitor support via VGA DB-15 connector	 Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ Lenovo Energy Management
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	Software
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.83" x 9.83" x 0.68" to 1.37"; 376.8mm x 249.8mm x 17.3 to 34.9mm with optical drive and battery: 6-cell: from 5.73 lb (2.6kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Integrated models: up to 6 hr	Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader Ports TV tuner PCle Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reade	AMD A50M FCH None 2-in-1 reader (MMC, Secure Digital Card) Four USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45) None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole	Limited Warranty¹² 1-year warranty*: 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options⁵8 (in eligible locations): 3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental
		damage protection 78Y1533

See footnotes for important warranty information US model(s) announced October 13, 2011

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Lenovo G770

Lenovo G770





Lenovo G770

Lenovo G770





Lenovo G770

Lenovo G770

Type-model	Pro- cessor		Max turbo (GHz)	Memory	Widescreen display	Cam- era	Integrated graphics	SATA disk	Optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue- tooth	Battery cells	Win7 preload
1037-2MU	i3-2310M	2.10		2GBx2	17.3" HD+	2.0M	Intel HD	750GB8	Blu-ray	11b/g/n ²⁸	Dark brown	HDMI		6-cell	Prem 64
1037-28U	i3-2310M	2.10		2GBx2	17.3" HD+	2.0M	Intel HD	500GB	DVD±ŘW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-2LU	i5-2410M	2.30	2.90	2GBx2	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2WU	i3-2330M	2.20		4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-2UU	i3-2330M	2.20		4GBx1	17.3" HD+	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-2VU	i5-2430M	2.40	3.00	4+2GB	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2XU	i5-2430M	2.40	3.00	4GBx2	17.3" HD+	2.0M	Intel HD	750GB	Blu-ray	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-5FU	i3-2350M	2.30		4GBx1	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI		6-cell	Prem 64
1037-5WU	i5-2450M	2.50	3.10	4+2GB	17.3" HD+	2.0M	Intel HD	500GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64

- 17.3" widescreen, glossy display
 Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face

 • Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without
- booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

	• These systems are Microsoft Office 2010 Product Key Ready (OTOPKH)	
Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3-2310M processor (dual-core, 2.10GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i3-2350M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz) Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology Intel Core i5-2450M processor (dual-core, 2.50GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam • Microsoft Office 2010 preloaded;
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	purchase product key to activate • VeriFace™
Diskette drive Optical SATA disk	None Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in 500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	Lenovo Energy Management Software Lenovo DirectShare Cyberlink Power2Go (DVD±RW)
Widescreen display Camera	17.3" (439.4mm) HD+ (1600x900) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)	
Keyboard Numeric keypad Touch pad Dimensions ³	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature, multi-touch (WxDxH): 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® qualified
Weight ² Case color Case material Battery - type	with optical drive and battery: 6-cell: from 6.61 lb (3.0kg) Dark brown top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell	RoHS-compliant Limited Warranty¹² ≈ 1-year warranty*:
Battery - life ¹⁰	Integrated models: up to 5 hr	* 1- year on major electronic components (including battery),
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service
Ports	Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	(in eligible locations):9
TV tuner PCIe Mini Card 11b/g/n ²⁸ Bluetooth TM Modem Ethernet Audio support	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) /	3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533
Security Fingerprint reader	microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole r None	→ Toll-free support for warranty issues during the warranty period¹² via 877-453-6686 → Toll-free support for warranty period¹² Via 877-453-6686 → Toll-free support for warranty I suppo

Type-model	Pro- cessor	GHz	Max turbo (GHz)		Widescreen display		Integrated graphics	SATA disk	SATA optical	PCle Mini Card 802.11	Top color	HDMI connector	Blue- tooth	Battery cells	Win7 preload
1037-2GU	i5-2410M	2.30	2.90	4GBx2	17.3" HD+	2.0M	Intel HD	750GB8	DVD±RW	11b/g/n ²⁸	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2HU	i5-2410M	2.30	2.90	2GBx2	17.3" HD+	2.0M	Intel HD	500GB	DVD ±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-52U	i5-2410M	2.30	2.90	4+2GB	17.3" HD+	2.0M	Intel HD		DVD ±RW		Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-53U	i5-2410M	2.30	2.90	4+2GB	17.3" HD+	2.0M	Intel HD		Blu-ray		Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-2YU	i3-2330M	2.20		4GBx1	17.3" HD+	2.0M	Intel HD		DVD±ŘW		Dark brown	HDMI	BT2.1	6-cell	Prem 64
1037-5NU	i5-2430M	2.40			17.3" HD+		Intel HD		DVD±RW		Dark brown		BT2.1	6-cell	Prem 64
1037-5MU	i5-2430M	2.40	3.00	4+2GB	17.3" HD+	2.0M	Intel HD		DVD±RW		Dark brown		BT2.1	6-cell	Prem 64
1037-5KU			3.00		17.3" HD+		Intel HD		DVD±RW		Dark brown		BT2.1	6-cell	Prem 64
	B800	1.50			17.3" HD+				DVD±RW		Dark brown		BT2.1	6-cell	Prem 64
☞ 1037-5SU					17.3" HD+	2.0M			DVD±RW		Dark brown		BT2.1	6-cell	Prem 64
☞ 1037-5RU					17.3" HD+	2.0M			DVD±RW		Dark brown		BT2.1	6-cell	Prem 64
☞ 1037-5PU	i5-2450M	2.50	3.10	4GBx2	17.3" HD+	2.0M	Intel HD	750GB	DVD±RW	11b/g/n	Dark brown	HDMI	BT2.1	6-cell	Prem 64

- 17.3" widescreen, glossy display
- Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Celeron® B800 processor (2 cores / 2 threads, 1.50GHz, 2MB cache), DDR3 memory controller (up to 1333MHz) Intel Core™ i3-2330M processor (dual-core, 2.20GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), HT technology Intel Core i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), 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	Preloaded operating system ²⁰ - Genuine Windows [®] 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) ■ Lenovo OneKey Recovery ■ Lenovo ReadyComm ■ ooVoo [™] ■ McAfee [®] VirusScan [®] Plus (60 days of virus definitions) ■ Adobe [®] Reader [®]
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	 Windows Live™ Essentials CyberLink YouCam
Diskette drive Optical SATA disk	None Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in 500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ Lenovo Energy Management
Widescreen display Camera	17.3" (439.4mm) HD+ (1600x900) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus	Software Lenovo DirectShare Cyberlink Power2Go (DVD±RW)
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)	
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature, multi-touch	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating
Dimensions ³ Weight ² Case color	(WxDxH): 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm with optical drive and battery: 6-cell: from 6.61 lb (3.0kg) Dark brown top, black bottom	ENERGY STAR® qualified RoHS-compliant
Case material Battery - type Battery - life ¹⁰	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Integrated models: up to 5 hr	Limited Warranty¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
TV tuner PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole	Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 3-year Depot warranty 78Y1538 • 1-year Mail In with accidental damage protection 55Y2511 • 3-year Mail In with accidental damage protection 78Y1539 • 3-year Onsite warranty 78Y1540 • 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period¹² via 877-453-6686

		Max							PCle					
_ Pro-		turbo		Videscreen	Cam-		SATA		Mini Card		HDMI	Blue-	Battery	Win7
Type-model cessor	GHz	(GHz)	Memory	display	era	Graphics	disk	Optical	802.11	Top color	connector	tooth	cells	preload
1037-2KU i5-2410M	2.30	2.90	4+2GB	17.3" HD+	2.0M	HD 6650M	750GB8	Blu-ray	11b/g/n ²⁸	Dark brown	n HDMI	BT2.1	6-cell	Prem 64

- 17.3" widescreen, glossy display
- Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), integrated Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	listed) • Lenovo OneKey Recovery
Diskette drive Optical SATA disk	None Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	 Lenovo ReadyĆomm ooVoo™ McAfee® VirusScan® Plus
Widescreen display Camera	17.3" (439.4mm) HD+ (1600x900) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus	(60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam
Graphics	AMD Radeon™ HD 6650M, PCI Express® x16, 1GB DDR3 memory, DirectX® 11, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)	 Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature, multi-touch	Lenovo Energy Management Software Lenovo DirectShare Chastink Power2Co (Plu roy)
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm with optical drive and battery: 6-cell: from 6.61 lb (3.0kg) Dark brown top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium lon 6-cell Discrete models: up to 4.5 hr	Cyberlink Power2Go (Blu-ray) 90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® qualified RoHS-compliant
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	Limited Warranty¹²
TV tuner PCIe Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole None	90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options ⁵⁸ (in eligible locations): ⁹ • 3-year Depot warranty 78Y1538 • 1-year Mail In with accidental damage protection 55Y2511 • 3-year Mail In with accidental damage protection 78Y1539 • 3-year Onsite warranty 78Y1540 • 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

	Type-model	Pro- cessor	GHz	Max turbo (GHz)		Videscreen display	Cam- era	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	HDMI connector	Blue- tooth	Battery cells	Win7 preload
	1037-2JU i	i5-2410M	2.30	2.90	4GBx2	17.3" HD+	2.0M	HD 6650M	750GB8	DVD±RW	11b/g/n ²⁸	Dark brown	n HDMI	BT2.1	6-cell	Prem 64
								HD 6650M			11b/g/n	Dark brown	n HDMI	BT2.1	6-cell	Prem 64
F37	1037-5QU i	i5-2450M	2.50	3.10	4GBx2	17.3" HD+	2.0M	HD 6650M	750GB	Blu-ray	11b/g/n	Dark brown	n HDMI	BT2.1	6-cell	Prem 64

- 17.3" widescreen, glossy display
- Integrated 2.0 megapixel camera and Lenovo's VeriFace facial recognition software helps control access to your notebook by recognizing your face
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5-2410M processor (dual-core, 2.30GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (2.90GHz), HT technology Intel Core i5-2430M processor (dual-core, 2.40GHz, 3MB cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.00GHz), 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	Preloaded operating system ²⁰ - Genuine Windows® 7 Home Premium 64 Preloaded applications ¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm
Memory	8GB max ⁷ / PC3-10600 1333MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	ooVoo™ McAfee® VirusScan® Plus
Diskette drive Optical SATA disk	None Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in 750GB (5400 rpm) / SATA 3.0Gb/s, 7mm or 9.5mm high	(60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essentials • CyberLink YouCam
Widescreen display Camera	17.3" (439.4mm) HD+ (1600x900) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 2.0-megapixel, fixed focus	Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ Lenovo Energy Management
Graphics	AMD Radeon™ HD 6650M, PCI Express® x16, 1GB DDR3 memory, DirectX® 11, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector (HDCP-compliant)	Software Lenovo DirectShare Cyberlink Power2Go (DVD±RW)
Keyboard Numeric keypad Touch pad	Full-size keyboard, multimedia Fn keys, recovery key Numeric keypad on right of keyboard Two-button touch pad with scroll feature, multi-touch	90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating
Dimensions ³ Weight ² Case color	(WxDxH): 16.38" x 10.71" x 1.42" to 1.77"; 416mm x 272mm x 36.1 to 44.9mm with optical drive and battery: 6-cell: from 6.61 lb (3.0kg) Dark brown top, black bottom	ENERGY STAR® qualified RoHS-compliant
Case material Battery - type Battery - life ¹⁰	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Discrete models: up to 4.5 hr	Limited Warranty¹²
Chipset ExpressCard/34 Multicard reader Ports	Mobile Intel HM65 Express Chipset None 5-in-1 reader (MMC, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™) Four USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
TV tuner PCle Mini Card 11b/g/n²8 Bluetooth™ Modem Ethernet Audio support Security Fingerprint reader	None One PCI Express Mini Card slot 11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® or Atheros® chip Bluetooth 2.1 wireless + EDR, USB 2.0 interface None 10/100 ethernet, Atheros AR8152L High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm) Hard disk password, user password, administrator password, security lockhole	 Service upgrade options⁵⁸ (in eligible locations):⁹ • 3-year Depot warranty 78Y1538 1-year Mail In with accidental damage protection 55Y2511 3-year Mail In with accidental damage protection 78Y1539 3-year Onsite warranty 78Y1540 1-year Onsite with accidental damage protection 78Y1533 Toll-free support for warranty issues during the warranty period¹²

See footnotes for important warranty information

us model(s) announced January 18, 2012; previous models on June 8 or December 21, 2011

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(BUD1-3) January 2012

Partial list of Lenovo® Care Services²² for Lenovo Essential notebooks

For more information see:

http://www.lenovo.com/services_warranty/us/en/index.html

Lenovo Care service upgrade options	
Lenovo Value Line notebooks with 1-year Ma	•
Mail in = Mail In repair, ADP = Accidental Dama, 2-year Depot warranty 3-year Depot warranty 1-year Mail In warranty with ADP 2-year Mail In warranty with ADP 3-year Mail In warranty with ADP LOR = Lenovo Onsite Repair, ADP = Accidental 1-year LOR warranty 9x5 NBD	78Y1534 78Y1538 55Y2511 78Y1535 78Y1539
2-year LOR warranty 9x5 NBD 3-year LOR warranty 9x5 NBD 1-year LOR warranty 9x5 NBD with ADP 2-year LOR warranty 9x5 NBD with ADP 3-year LOR warranty 9x5 NBD with ADP	78Y1536 78Y1540 78Y1533 78Y1537 78Y1541

Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- Weight includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- Thinness may vary at certain points on the system.
- Wireless capability: Requires compatible wireless-enabled options sold separately.
- Post-warranty annual maintenance agreement: Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.
- Public network download modem speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- Maximum memory capacity may require the replacement of standard component with largest supported component available. Even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

- B Hard drive: GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ⁹ Service upgrade options: Upgrades do not apply to components covered for 90 days. Those remain at 90-day warranty
- Battery: These model numbers achieved Battery Rundown Time of at least the time shown during testing. A description of the testing available at lenovo.com/ pc/ww/thinkpad/batterylife. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- Wireless: Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.
- ¹² Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.
- Onsite Service: If a machine is listed as having "On-site", this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit ("CRU") parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for you to install.
- ¹⁴ Included software may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
- Modem speeds: Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- ¹⁷ International Warranty Service is available for most products in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

- ¹⁸ Telephone support may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.
- ¹⁹ EasyServ depot repair: The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- ²⁰ Operating System: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.
- For combination drives, maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.
- ²² Lenovo Care Services: These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.
- Wireless WAN Cards: Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

- ²⁸ **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.
- Service upgrade options for Split Warranty: (1) Mail In upgrades cover all components except power adapter, keyboard, plastics, and hinges after 90 days through end of first year. The "Mail-In" upgrades require customer to pay the leg of shipping into the depot repair center. (2) Onsite upgrades cover all components except power adapter, keyboard, plastics, and hinges after 90 days through end of term selected. (3) Accidental Damage Protection covers all components through the end of the term selected.

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ENERGY STAR: As an ENERGY STAR Partner, Lenovo has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Visit www.lenovo.com/safecomputing periodically for the latest information on safe and effective computing.

Visit www.lenovo.com/psref for the latest version of Personal Systems Reference.

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