



Lenovo® G50



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Model	Processor	Graphics	Memory	Widescreen display	Storage	Optical	Ethernet	M.2 card WLAN & Bluetooth	Top color	Camera	Finger print reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Ann date (m/y)
80G0008BUS	Cel N2830	Intel HD	2GBx1	15.6" HD	320G 5400	None	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(32wh)	45W	Win8.1 with Bing 64	1-year	06/14
59427091	i5-4210U	HD 4400	2+4GB	15.6" HD	500G 5400	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	45W	Win8.1 64	1-year	06/14
59427103	i5-4210U	HD 4400	8GBx1	15.6" HD	1T 5400	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	45W	Win8.1 64	1-year	06/14
59427099	i5-4210U	HD 4400	8GBx1	15.6" HD	500G 5400 SSHD (8G)	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	45W	Win8.1 64	1-year	06/14
59427090	i7-4510U	HD 4400	8GBx1	15.6" HD	500G 5400 SSHD (8G)	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	45W	Win8.1 64	1-year	06/14
59427097	i7-4510U	R5 M230	8GBx1	15.6" HD	1T 5400 SSHD (8G)	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	65W	Win8.1 64	1-year	06/14
59427098	i7-4510U	HD 4400	4GBx1	15.6" HD	500G 5400 SSHD (8G)	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	45W	Win8.1 64	1-year	06/14
59427095	i3-4030U	HD 4400	4GBx1	15.6" HD	500G 5400	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(41wh)	45W	Win8.1 64	1-year	06/14
59440434	Cel 2957U	Intel HD	4GBx1	15.6" HD	500G 5400	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(32wh)	45W	Win8.1 with Bing 64	1-year	11/14

Processor	Intel® Celeron® Processor, Intel Pentium® Processor, or 4th Generation Intel Core™ i3 / i5 / i7 Processor							Dimensions Weight	WxDxH: 15.11" x 10.43" x 0.98"; 384mm x 265mm x 25.0mm Optical models: 2.50kg (5.51 lb) Other models: 2.36kg (5.20 lb)		
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Frequency	Cache	Memory Speed	Processor Graphics	Case color	Display cover: black texture, black painting, red painting, or silver painting Bottom: black	
	Celeron 2957U	2	2	1.4 GHz	-	2MB	DDR3L-1600	Intel HD graphics	Case material	PC/ABS plastic	
	Celeron N2830	2	2	2.16 GHz	2.41 GHz	1MB	DDR3L-1333		Battery type	Li-Ion 4-cell (32Wh or 41Wh) battery	
	Pentium N3530	4	4	2.16 GHz	2.58 GHz	2MB			Battery life	Up to 7hr	
	i3-4030U	2	4	1.9 GHz	-	3MB	DDR3L-1600	Intel HD graphics 4400	AC adapter	Integrated models: 45-watt AC adapter; Optimus models: 65-watt AC adapter	
	i5-4210U	2	4	1.7 GHz	2.7 GHz	3MB			Chipset	Intel SoC (System on Chip) platform	
	i7-4510U	2	4	2.0 GHz	3.1 GHz	4MB			Multicard reader	2-in-1 reader (MMC, SD)	
									Ports	One USB 3.0, two USB 2.0, VGA, HDMI, Ethernet (RJ-45)	
Memory	N2830 / N3530 models: 8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket, system automatically clocks down for 1333MHz DDR3 memory controller Other models: 16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets							Audio support	HD Audio, stereo speakers with Dolby® Advanced Audio™ v2, 1.5W x 2 / monaural microphone, combo audio/microphone jack		
Optical (optional) SATA disk	DVD burner, 9.0mm high, fixed, not removable, tray-in Some: HDD / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high Some: SSHD with 8GB NAND flash memory							WLAN	11b/g/n+BT: 11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card 11ac+BT: 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card Intel 3160+BT: 11ac, 1x1, Intel Dual Band Wireless-AC 3160, Wi-Fi + Bluetooth adapter, M.2 Card		
SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in processor or chipset							Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter 10/100M or 100/1000M (gigabit) Ethernet connection		
Widescreen display	Some: 15.6" (396mm) HD (1366x768) color, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 15.6" (396mm) FHD (1920x1080) color, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio							Security	Power-on password, hard disk password, supervisor password, security keyhole		
Multi-touch Camera	None 0.3MP or HD720p (1.0MP), fixed focus							Security chip	None		
Graphics	Intel HD Graphics or Intel HD Graphics 4400 in processor only, Intel HD Graphics and NVIDIA® GeForce® 820M, 1GB memory, or Intel HD Graphics 4400 and AMD Radeon™ R5 M230, 1GB or 2GB memory; supports dual independent display Max resolution: 1920x1200@60Hz (HDMI), 2048 x 1536@85Hz (VGA)							Fingerprint reader	None		
Keyboard Touchpad	6-row, spill-resistant, multimedia Fn keys, numeric keypad One-piece multi-touch touchpad							Limited warranty	1-year limited warranty / service upgrades available		
									Preload	Win8.1 64: Windows® 8.1 64-bit Win8.1 with Bing 64: Windows 8.1 with Bing 64-bit • Amazon Kindle • Evernote • Skype • McAfee® LiveSafe™ (30-day trial) • Microsoft Office preloaded; purchase a product key to activate	
									Environment	EPEAT™ Silver; ENERGY STAR® 6.0; RoHS-compliant	

Model	Processor	Graphics	Memory	Widescreen display	Storage	Optical	Ethernet	M.2 card WLAN & Bluetooth	Top color	Camera	Finger print reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Ann date (m/y)
59440436	Cel 2957U	Intel HD	4GBx1	15.6" HD	500G 5400	DVD±RW	1000M	11b/g/n+BT	Black texture	0.3MP	None	4(32wh)	45W	Win8.1 with Bing 64	1-year	11/14

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	Celeron N2830	2	2	2.16 GHz	2.41 GHz	1MB	DDR3L-1333		Battery type	Li-Ion 4-cell (32Wh or 41Wh) battery
	Pentium N3530	4	4	2.16 GHz	2.58 GHz	2MB			Battery life	Up to 7hr
	i3-4030U	2	4	1.9 GHz	-	3MB	DDR3L-1600	Intel HD graphics 4400	AC adapter	Integrated models: 45-watt AC adapter; Optimus models: 65-watt AC adapter
	i5-4210U	2	4	1.7 GHz	2.7 GHz	3MB			Chipset	Intel SoC (System on Chip) platform
	i7-4510U	2	4	2.0 GHz	3.1 GHz	4MB			Multicard reader	2-in-1 reader (MMC, SD)
								Ports	One USB 3.0, two USB 2.0, VGA, HDMI, Ethernet (RJ-45)	
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SATA controller	Serial ATA, SATA 3.0Gb/s support, integrated in processor or chipset							Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter 10/100M or 100/1000M (gigabit) Ethernet connection	
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								Environment	EPEAT™ Silver; ENERGY STAR® 6.0; RoHS-compliant	