

Lenovo Z50 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Lenovo Z50-70 Intel® Celeron® Processor, Intel® Pentium® Processor, or 4th Generation Intel® Core™ i3 / i5 / i7 Processors					Dimensions	WxDxH: 15.12" x 10.43" x 0.98"; 384mm x 265mm x 25mm																																																				
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Base / Max Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel 2957U</td> <td>2 / 2</td> <td>1.4 GHz / -</td> <td>2MB</td> <td rowspan="10">DDR3L-1600</td> <td>Intel HD graphics</td> </tr> <tr> <td>Pen 3558U</td> <td>2 / 2</td> <td>1.7 GHz / -</td> <td>2MB</td> <td>Intel HD graphics 4600</td> </tr> <tr> <td>i3-4005U</td> <td>2 / 4</td> <td>1.7 GHz / -</td> <td>3MB</td> <td></td> </tr> <tr> <td>i3-4010U</td> <td>2 / 4</td> <td>1.7 GHz / -</td> <td>3MB</td> <td></td> </tr> <tr> <td>i3-4030U</td> <td>2 / 4</td> <td>1.9 GHz / -</td> <td>3MB</td> <td></td> </tr> <tr> <td>i5-4200U</td> <td>2 / 4</td> <td>1.6 GHz / 2.6 GHz</td> <td>3MB</td> <td></td> </tr> <tr> <td>i5-4210U</td> <td>2 / 4</td> <td>1.7 GHz / 2.7 GHz</td> <td>3MB</td> <td></td> </tr> <tr> <td>i7-4500U</td> <td>2 / 4</td> <td>1.8 GHz / 3.0 GHz</td> <td>4MB</td> <td></td> </tr> <tr> <td>i7-4510U</td> <td>2 / 4</td> <td>2.0 GHz / 3.1 GHz</td> <td>4MB</td> <td></td> </tr> </tbody> </table>					Processor	Cores / Threads	Base / Max Frequency	Cache	Memory Types	Processor Graphics	Cel 2957U	2 / 2	1.4 GHz / -	2MB	DDR3L-1600	Intel HD graphics	Pen 3558U	2 / 2	1.7 GHz / -	2MB	Intel HD graphics 4600	i3-4005U	2 / 4	1.7 GHz / -	3MB		i3-4010U	2 / 4	1.7 GHz / -	3MB		i3-4030U	2 / 4	1.9 GHz / -	3MB		i5-4200U	2 / 4	1.6 GHz / 2.6 GHz	3MB		i5-4210U	2 / 4	1.7 GHz / 2.7 GHz	3MB		i7-4500U	2 / 4	1.8 GHz / 3.0 GHz	4MB		i7-4510U	2 / 4	2.0 GHz / 3.1 GHz	4MB		Weight	2.5kg (5.51lb) with 4-cell battery
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	Lenovo Z50-75 AMD® A, FX series APUs					Case color	Top: black texture, black painting, white painting or silver painting Bottom: black texture, black painting, white painting or silver painting; match top color																																																				
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Graphics	Lenovo Z50-70 Some: Intel HD Graphics or Intel HD Graphics 4400, integrated in processor Some: NVIDIA® GeForce® 840M, 2GB or 4GB memory, DirectX 11 Some: NVIDIA® GeForce® 820M, 2GB memory, DirectX 11 Max video resolution: 1920x1200@60Hz (HDMI 1.4a), 2048 x 1536@85Hz (VGA)					Ethernet	10/100/1000M																																																				
	Lenovo Z50-75 Some: AMD integrated graphics in processor Some: AMD Radeon R5 M230, 2GB memory, DirectX 11 Some: AMD Radeon R6 M255DX, 2GB memory, DirectX 11 Some: AMD Radeon R7 M260DX, 2GB memory, DirectX 11					WLAN	One of the following, configurable by model: • 11b/g/n, 1x1, Wi-Fi + BT4.0 combo adapter, M.2 Card • 11ac, 1x1, Wi-Fi + BT4.0 combo adapter, M.2 Card • Intel Dual Band Wireless-AC 3160, 1x1, Wi-Fi + BT4.0 combo adapter, M.2 Card,																																																				
Chipset	Soc (System on Chip) platform					Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																																				
Memory	16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets					WWAN	None																																																				
Widescreen display	Some: 15.6" (396.2mm) HD (1366x768) TN GL, LED backlight, 16:9 aspect ratio, 200 nits, 400:1 contrast ratio Some: 15.6" (396.2mm) FHD (1920x1080) TN GL, LED backlight, 16:9 aspect ratio, 200 nits, 400:1 contrast ratio					Multicard reader	2-in-1 reader (SD, MMC)																																																				
Multi-touch	None					Ports	USB 3.0 x 1, USB 2.0 x 2, VGA, HDMI, Ethernet (RJ-45), audio combo jack																																																				
SATA disk	Some: HDD / 2.5" wide, 9.5mm high (7mm compatible) Some: Hybrid drive with 8GB NAND flash memory / 2.5" wide, 9.5mm high Some: SSD / SATA 6.0 Gb/s, 2.5" wide					TV tuner	None																																																				
Optical	Integrated ODD with DVD±RW, 9.0mm high, tray-in					Camera	720p HD, 1.0MP resolution, fixed focus, combo array mic																																																				
						Audio support	HD Audio, stereo speakers with Dolby® Home Theater v2, 1.5W x 2, 2.0 channel, dual array microphone, combo audio / microphone jack AccuType® keyboard, full-size keyboard, 6-row, multimedia Fn keys, numeric keypad																																																				
						Keyboard	AccuType® keyboard, full-size keyboard, 6-row, multimedia Fn keys, numeric keypad																																																				
						Touchpad	One-piece multi-touch touchpad																																																				
						Security	Power-on password, hard disk password, supervisor password, security keyhole																																																				
						Security chip	None																																																				
						Fingerprint reader	None																																																				
						Battery type	Some: Li-Cylinder 4-cell (32Wh or 41Wh) battery																																																				
						Battery life	Up to 4hrs																																																				
						AC adapter	Some: 45-watt AC adapter for models with integrated graphics, 20V Some: 65-watt AC adapter for models with discrete graphics, 20V																																																				
						Preload	Windows® 8.1 64-bit or Windows® 10 Home 64-bit Preinstalled software includes but not limited to the following: • Lenovo Veriface® Pro • Zinio® Online Newsstand • Lenovo Companion • Amazon Kindle • Evernote® • Lenovo® Support • Lenovo VeriFace® Pro • McAfee® LiveSafe™ (30-day trial) • Microsoft Office preloaded; purchase a product key to activate																																																				
						Limited warranty	1 or 2 years limited warranty / service upgrades available																																																				
						Environment	EPEAT™ Silver; ENERGY STAR® 6.0; RoHS-compliant																																																				