

Lenovo Z50-70 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® Processor, Intel® Pentium® Processor, or 4th Generation Intel® Core™ i3 / i5 / i7 Processors	Dimensions Weight Case color	WxDxH: 15.12" x 10.43" x 0.98"; 384mm x 265mm x 25mm 2.5kg (5.51lb) with 4-cell battery <i>Top:</i> black texture, black painting, white painting or silver painting <i>Bottom:</i> black texture, black painting, white painting or silver painting; match top color																																																		
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Frequency</th> <th>Cache</th> <th>Memory Speed</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel 2957U</td> <td rowspan="7">2</td> <td rowspan="3">2</td> <td>1.4 GHz</td> <td>-</td> <td>2MB</td> <td rowspan="7">DDR3L-1600</td> <td rowspan="2">Intel HD graphics</td> </tr> <tr> <td>Pen 3558U</td> <td>1.7 GHz</td> <td>-</td> <td>2MB</td> </tr> <tr> <td>i3-4005U</td> <td>1.7 GHz</td> <td>-</td> <td>3MB</td> </tr> <tr> <td>i3-4010U</td> <td rowspan="4">4</td> <td>1.7 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="4">Intel HD graphics 4600</td> </tr> <tr> <td>i3-4030U</td> <td>1.9 GHz</td> <td>-</td> <td>3MB</td> </tr> <tr> <td>i5-4200U</td> <td>1.6 GHz</td> <td>2.6 GHz</td> <td>3MB</td> </tr> <tr> <td>i5-4210U</td> <td>1.7 GHz</td> <td>2.7 GHz</td> <td>3MB</td> </tr> <tr> <td>i7-4500U</td> <td>1.8 GHz</td> <td>3.0 GHz</td> <td>4MB</td> </tr> <tr> <td>i7-4510U</td> <td>2.0 GHz</td> <td>3.1 GHz</td> <td>4MB</td> </tr> </tbody> </table>	Processor Number	# of Cores	# of Threads	Base Frequency	Max Frequency	Cache	Memory Speed	Processor Graphics	Cel 2957U	2	2	1.4 GHz	-	2MB	DDR3L-1600	Intel HD graphics	Pen 3558U	1.7 GHz	-	2MB	i3-4005U	1.7 GHz	-	3MB	i3-4010U	4	1.7 GHz	-	3MB	Intel HD graphics 4600	i3-4030U	1.9 GHz	-	3MB	i5-4200U	1.6 GHz	2.6 GHz	3MB	i5-4210U	1.7 GHz	2.7 GHz	3MB	i7-4500U	1.8 GHz	3.0 GHz	4MB	i7-4510U	2.0 GHz	3.1 GHz	4MB	Case material	<i>Top:</i> PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic
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		Multicard reader Ports TV tuner	2-in-1 reader (SD, MMC) USB 3.0 x 1, USB 2.0 x 2, VGA, HDMI, Ethernet (RJ-45), audio combo jack None																																																		
		Camera Audio support	720p HD, 1.0MP resolution, fixed focus, combo array mic HD Audio, stereo speakers with Dolby® Home Theater v2, 1.5W x 2, 2.0 channel, dual array microphone, combo audio / microphone jack																																																		
		Keyboard	AccuType® keyboard, full-size keyboard, 6-row, multimedia Fn keys, numeric keypad																																																		
		Touchpad	One-piece multi-touch touchpad																																																		
Graphics	<i>Some:</i> Intel HD Graphics or Intel HD Graphics 4400, intergrated in processor <i>Some:</i> NVIDIA® GeForce® 840M, 2GB or 4GB memory, DirectX 11 <i>Some:</i> NVIDIA® GeForce® 820M, 2GB memory, DirectX 11 Max video resolution: 1920x1200@60Hz (HDMI 1.4a), 2048 x 1536@85Hz (VGA)	Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None None																																																		
Chipset Memory	Intel Soc (System on Chip) platform 16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Battery type Battery life AC adapter	<i>Some:</i> Li-Cylinder 4-cell (32Wh or 41Wh) battery Up to 4hrs <i>Some:</i> 45-watt AC adapter, 20V <i>Some:</i> 65-watt AC adapter, 20V																																																		
Widescreen display	<i>Some:</i> 15.6" (396.2mm) HD (1366x768) color, LED backlight, 16:9 aspect ratio, 200 nits, 400:1 contrast ratio <i>Some:</i> 15.6" (396.2mm) FHD (1920x1080) color, LED backlight, 16:9 aspect ratio, 200 nits, 400:1 contrast ratio	Preload	Windows® 8.1 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																																																		
Multi-touch	None																																																				
SATA disk	<i>Some:</i> HDD / 2.5" wide, 9.5mm high (7mm compatible) <i>Some:</i> Hybrid drive with 8GB NAND flash memory / 2.5" wide, 9.5mm high <i>Some:</i> SSD / SATA 6.0 Gb/s, 2.5" wide																																																				
Optical	Intergrated ODD with DVD±RW, 9.0mm high, tray-in																																																				
Ethernet WLAN	Gigabit Ethernet connection <i>One of the following, configurable by model:</i> • 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,	Limited warranty	1 or 2 years limited warranty / service upgrades available																																																		
Bluetooth™ WWAN	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter None	Environment	EPEAT™ Silver; ENERGY STAR® 6.0; RoHS-compliant																																																		