

Lenovo V110 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor	V110-15ISK: Intel® Celeron® Processor, Intel Pentium® Processor, or 6th Generation Intel Core™ i3 / i5 Processor							Display	15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio																																		
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel 3855U</td> <td rowspan="4">2</td> <td>2</td> <td>1.6 GHz</td> <td>-</td> <td>2MB</td> <td rowspan="4">DDR4-2133</td> <td>Intel HD Graphics 510</td> </tr> <tr> <td>Pen 4405U</td> <td>4</td> <td>2.1 GHz</td> <td>-</td> <td>2MB</td> <td>Intel HD Graphics 520</td> </tr> <tr> <td>i3-6100U</td> <td>4</td> <td>2.3 GHz</td> <td>-</td> <td>3MB</td> <td></td> </tr> <tr> <td>i5-6200U</td> <td>4</td> <td>2.3 GHz</td> <td>2.8 GHz</td> <td>3MB</td> <td></td> </tr> </tbody> </table>							Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Cel 3855U	2	2	1.6 GHz	-	2MB	DDR4-2133	Intel HD Graphics 510	Pen 4405U	4	2.1 GHz	-	2MB	Intel HD Graphics 520	i3-6100U	4	2.3 GHz	-	3MB		i5-6200U	4	2.3 GHz	2.8 GHz	3MB		Multi-touch	None
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	Cel 3855U	2	2	1.6 GHz	-	2MB	DDR4-2133	Intel HD Graphics 510																																			
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	i3-6100U		4	2.3 GHz	-	3MB																																					
	i5-6200U		4	2.3 GHz	2.8 GHz	3MB																																					
	V110-15IAP: Intel Celeron Processor or Intel Pentium Processor							Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high <i>Some:</i> SSHD with 8GB NAND flash memory																																		
	<table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Burst Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel N3350</td> <td>2</td> <td>2</td> <td rowspan="3">1.1 GHz</td> <td>2.4 GHz</td> <td rowspan="3">2MB</td> <td rowspan="3">DDR3L-1600</td> <td>Intel HD Graphics 500</td> </tr> <tr> <td>Cel N3450</td> <td rowspan="2">4</td> <td rowspan="2">4</td> <td>2.2 GHz</td> <td>Intel HD Graphics 505</td> </tr> <tr> <td>Pen N4200</td> <td>2.5 GHz</td> <td></td> </tr> </tbody> </table>							Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics	Cel N3350	2	2	1.1 GHz	2.4 GHz	2MB	DDR3L-1600	Intel HD Graphics 500	Cel N3450	4	4	2.2 GHz	Intel HD Graphics 505	Pen N4200	2.5 GHz		SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor										
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Cel N3350	2	2	1.1 GHz	2.4 GHz	2MB	DDR3L-1600	Intel HD Graphics 500																																				
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Pen N4200				2.5 GHz																																							
V110-15AST: AMD A-Series or E-Series APUs							Optical (optional)	DVD burner, 9.0mm high, fixed, tray-in																																			
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Intel or AMD SoC (System on Chip) platform							WLAN	11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card																																			
V110-15ISK: Intel HD Graphics 510 or 520 in processor only, or Intel HD Graphics 510 or 520 in processor and AMD Radeon R5 M430, 2GB memory;							Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																			
V110-15IAP: Intel HD Graphics 500 or 505 in processor only;							Dimensions	WxDxH: 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm																																			
V110-15AST: AMD Radeon R2, R4, or R5 Graphics in processor only, or AMD Radeon R2, R4, or R5 Graphics in processor and AMD Radeon R5 M430, 2GB memory;							Weight	1.9 kg (4.19 lb)																																			
supports dual independent display;							Case color	Black texture																																			
Max resolution: 3840x2160@30Hz (HDMI)							Case material	PC/ABS plastic																																			
Graphics	V110-15ISK: Intel HD Graphics 510 or 520 in processor only, or Intel HD Graphics 510 or 520 in processor and AMD Radeon R5 M430, 2GB memory;							Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																																		
	V110-15IAP: Intel HD Graphics 500 or 505 in processor only;							Ports	One USB 3.0, one USB 2.0, HDMI, Ethernet (RJ-45)																																		
	V110-15AST: AMD Radeon R2, R4, or R5 Graphics in processor only, or AMD Radeon R2, R4, or R5 Graphics in processor and AMD Radeon R5 M430, 2GB memory;							Camera (optional)	0.3MP, fixed focus																																		
	Intel or AMD SoC (System on Chip) platform							Audio support	HD Audio, monaural speaker, 1.5W x 1 / optional monaural digital microphone, combo audio/microphone jack																																		
	V110-15ISK: 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							Keyboard	6-row, multimedia Fn keys, numeric keypad																																		
	V110-15IAP: 8GB max / 1600MHz DDR3L, dual-channel capable, up to 2GB memory soldered to systemboard, one DDR3L SO-DIMM socket							Touchpad	2-button touchpad, multi-touch																																		
	V110-15AST: 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							Security	Power-on password, hard disk password, supervisor password, security keyhole																																		
	* System clocks down for processors with lower memory controller							Security chip	Firmware TPM 2.0, integrated in chipset																																		
	* System clocks down for processors with lower memory controller							Fingerprint reader	None																																		
	* System clocks down for processors with lower memory controller							Battery	V110-15ISK: Integrated Li-Ion 4-cell (32Wh) battery V110-15IAP: Integrated Li-Ion 3-cell (24Wh) battery V110-15AST: Integrated Li-Ion 3-cell (24Wh) battery																																		
Chipset Memory	Intel or AMD SoC (System on Chip) platform							Max battery life	Up to 5.5 hr																																		
	V110-15ISK: 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket							AC adapter	45W or 65W AC adapter																																		
	V110-15IAP: 8GB max / 1600MHz DDR3L, dual-channel capable, up to 2GB memory soldered to systemboard, one DDR3L SO-DIMM socket							Preload	<i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <i>Some:</i> Windows 10 Home 64 <i>Some:</i> Windows 10 Pro 64																																		
	V110-15AST: 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket								<ul style="list-style-type: none"> • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) 																																		
	* System clocks down for processors with lower memory controller								<ul style="list-style-type: none"> • Lenovo® Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) 																																		
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* System clocks down for processors with lower memory controller							Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant																																			