

# Lenovo V110 (15") 80TD005H++

Machine Type	Microphone	
80TD	Monaural	
Region	Keyboard	
EMEA	Non-backlit	
Processor	Fingerprint Reader	
AMD E2-9010 (2C, 2.0 / 2.2GHz, 1MB)	None	
Graphics	Battery	
Integrated AMD Radeon R2 Graphics	3-cell (24Wh)	
Memory	Power Adapter	
4GB DDR4-2133 Soldered	45W	
Display	Operating System	
15.6" HD (1366x768)	None	
Multi-touch	Warranty	
None	1-year, Depot	
Storage	Ann Date (mm/yy)	
128GB SSD	01/18	
Optical	Note: Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries	
Ethernet		
100/1000M		
WLAN + Bluetooth		
11ac, 1x1 + BT4.1		
Color		
Black, Texture		
Camera		
0.3MP		



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# 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	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio												
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio												
Cel 3855U	2	4	2	1.6 GHz	-	2MB	DDR4-2133	Intel HD Graphics 510	Multi-touch	None												
Pen 4405U			2.1 GHz	2MB		Storage			Some: SSD / SATA 6.0Gb/s, 2.5" wide													
i3-6006U			2.0 GHz	3MB					Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high													
i3-6100U			2.3 GHz	3MB		SATA controller			Some: SSHD with 8GB NAND flash memory													
i5-6200U			2.3 GHz	2.8 GHz		3MB			Optical (optional)	Serial ATA, SATA 6.0Gb/s support, integrated in processor												
V110-15IAP: Intel Celeron Processor or Intel Pentium Processor																						
Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics		Ethernet	Gigabit Ethernet connection												
Cel N3350	2	2	1.1 GHz	2.4 GHz	2MB	DDR3L-1600	Intel HD Graphics 500		WLAN	11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card												
Cel N3450	4	4		2.2 GHz					Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter												
Pen N4200				2.5 GHz					Dimensions	WxDxH: 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm												
V110-15IKB: Intel® Celeron® Processor, Intel Pentium® Processor, or 7th Generation Intel Core™ i3 / i5 Processor									Weight	1.9 kg (4.19 lb)												
Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics		Case color	Black texture												
Cel 3865U	2	4	1.8 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610		Case material	PC/ABS plastic												
Pen 4415U			2.3 GHz						Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)												
i3-7100U			2.4 GHz						Ports	One USB 3.1 Gen 1 / USB3.0, one USB 2.0, HDMI, Ethernet (RJ-45)												
i5-7200U			2.5 GHz	3.1 GHz					Camera (optional)	0.3MP, fixed focus												
V110-15AST: AMD A-Series or E-Series APUs																						
Processor Number	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Audio support	HD Audio, monaural speaker, 1.5W x 1 / optional monaural digital microphone, combo audio/microphone jack													
E2-9010	2	2.0 GHz	2.2 GHz	1MB	DDR4-1866	AMD Radeon™ R2 Graphics		Keyboard	6-row, multimedia Fn keys, numeric keypad													
A6-9210		2.4 GHz	2.8 GHz					Touchpad	2-button touchpad, multi-touch													
A9-9410		2.9 GHz	3.5 GHz		DDR4-2133	AMD Radeon R4 Graphics		Security	Power-on password, hard disk password, supervisor password, security keyhole													
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 or AMD Radeon 530, 2GB memory; V110-15IAP: Intel HD Graphics 500 or 505 in processor only; V110-15IKB: Intel HD Graphics 610 or 620 in processor only, or Intel HD Graphics 610 or 620 in processor and AMD Radeon 530, 2GB memory; 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; supports independent display;								Security chip	Firmware TPM 2.0, integrated in chipset												
									Fingerprint reader	None												
Chipset	Intel or AMD SoC (System on Chip) platform								Battery	V110-15ISK: Integrated Li-Ion 4-cell (32Wh) battery												
	V110-15ISK: 16GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									V110-15IAP: Integrated Li-Ion 3-cell (24Wh) battery												
Memory	V110-15IAP: 8GB max / 1600MHz DDR3L, dual-channel capable, optional 2GB memory soldered to systemboard, one DDR3L SO-DIMM socket									V110-15IKB: Integrated Li-Ion 4-cell (32Wh) battery												
	V110-15IKB: 16GB max / 2400MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									V110-15AST: Integrated Li-Ion 3-cell (24Wh) battery												
	V110-15AST: 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									Up to 6 hr												
	* System clocks down for processors with lower memory controller								Max battery life AC adapter	45W or 65W AC adapter												
Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64								Preload	Some: Windows 10 Home 64												
										Some: Windows 10 Pro 64												
Limited warranty	• Adobe® Reader®									• Lenovo Companion												
	• Microsoft® Office preloaded; purchase a product key to activate									• Lenovo Setting												
Environment	• McAfee® LiveSafe™ (30-day trial)									• Microsoft Office preloaded; purchase a product key to activate												
										• McAfee® LiveSafe™ (30-day trial)												
One of the following, configurable by model:																						
• 1-year depot repair service																						
• 2-year/1-yr battery depot repair service																						

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