

Lenovo V110 (15") 80TD009E++

Machine Type
80TD

Region
EMEA

Processor
AMD A4-9120 (2C, 2.2 / 2.5GHz, 1MB)

Graphics
Integrated AMD Radeon R3 Graphics

Memory
4GB DDR4-2133 Soldered

Display
15.6" HD (1366x768)

Multi-touch
None

Storage
500GB 5400rpm

Optical
DVD±RW

Ethernet
100/1000M

WLAN + Bluetooth
11ac, 1x1 + BT4.1

Color
Black, Texture

Camera
0.3MP

Microphone
Monaural

Keyboard
Non-backlit

Fingerprint Reader
None

Battery
3-cell (24Wh)

Power Adapter
45W

Operating System
None

Warranty
1-year, Depot

Ann Date (mm/yy)
06/18

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



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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								
	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	
	i3-6006U			2.0 GHz		3MB			
	i3-6100U			2.3 GHz		3MB			
	i5-6200U			2.3 GHz	2.8 GHz	3MB			
	V110-15IAP: Intel Celeron Processor or Intel Pentium Processor								
	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				
	V110-15IKB: Intel® Celeron® Processor, Intel Pentium® Processor, or 7th Generation Intel Core™ i3 / i5 Processor								
	Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics	
	Cel 3865U	2	2	1.8 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	
	Pen 4415U		4	2.3 GHz				Intel HD Graphics 620	
	i3-7100U			2.4 GHz		3MB			
	i5-7200U			2.5 GHz	3.1 GHz				
	V110-15AST: AMD A-Series or E-Series APUs								
	Processor Number	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		
	E2-9010	2	2.0 GHz	2.2 GHz	1MB	DDR4-1866	AMD Radeon™ R2 Graphics		
	A4-9120		2.2 GHz	2.5 GHz		DDR4-2133	AMD Radeon R3 Graphics		
	A6-9210		2.4 GHz	2.8 GHz		DDR4-2133	AMD Radeon R4 Graphics		
	A9-9410		2.9 GHz	3.5 GHz			AMD Radeon R5 Graphics		
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;								
Chipset	Intel or AMD SoC (System on Chip) platform								
Memory	V110-15ISK: 16GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket V110-15IAP: 8GB max / 1600MHz DDR3L, dual-channel capable, optional 2GB memory soldered to systemboard, one DDR3L SO-DIMM socket V110-15IKB: 16GB max / 2400MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket V110-15AST: 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket * System clocks down for processors with lower memory controller								
Display	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio								
Multi-touch	None								
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high Some: SSHD with 8GB NAND flash memory								
SATA controller	Serial ATA, SATA 6.0Gb/s support, integrated in processor								
Optical (optional)	DVD burner, 9.0mm high, fixed, tray-in								
Ethernet	Gigabit Ethernet connection								
WLAN	11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card								
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
Dimensions	WxDxH: 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm								
Weight	1.9 kg (4.19 lb)								
Case color	Black texture								
Case material	PC/ABS plastic								
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)								
Ports	One USB 3.1 Gen 1 / USB3.0, one USB 2.0, HDMI, Ethernet (RJ-45)								
Camera (optional)	0.3MP, fixed focus								
Audio support	HD Audio, monaural speaker, 1.5W x 1 / optional monaural digital microphone, combo audio/microphone jack								
Keyboard	6-row, multimedia Fn keys, numeric keypad								
Touchpad	2-button touchpad, multi-touch								
Security	Power-on password, hard disk password, supervisor password, security keyhole								
Security chip	Firmware TPM 2.0, integrated in chipset								
Fingerprint reader	None								
Battery	V110-15ISK: Integrated Li-Ion 4-cell (32Wh) battery V110-15IAP: Integrated Li-Ion 3-cell (24Wh) battery V110-15IKB: Integrated Li-Ion 4-cell (32Wh) battery V110-15AST: Integrated Li-Ion 3-cell (24Wh) battery								
Max battery life	Up to 6 hr								
AC adapter	45W or 65W AC adapter								
Preload	Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 Some: Windows 10 Home 64 Some: Windows 10 Pro 64 • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate • McAfee LiveSafe™ (30-day trial)								
Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 2-year/1-yr battery depot repair service								
Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant								

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