Lenovo V110 (15") 80TH001W++

Machine Type
80TH

Region
EMEA

Processor
Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)

Graphics
Integrated Intel HD Graphics 620

Memory
4GB Soldered + 4GB DIMM DDR4-2400

Display
15.6" FHD (1920x1080)

Multi-touch
None

Storage
256GB SSD

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
4-cell (32Wh)

Power Adapter
45W

Operating System
Windows 10 Pro 64

Warranty
1-year, Depot

Ann Date (mm/yy)
06/17

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

Lenovo (logo)

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	1.6 GHz	-	2MB	DDR4-2133	Intel HD Graphics 510
Pen 4405U			2.1 GHz		2MB		
i3-6006U	2	4	2.0 GHz		3MB		Intel HD Graphics 520
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		2.4 GHz			Intel HD Graphics 500
Cel N3450			1.1 GHz	2.2 GHz	2MB	DDR3L-1600	
Pen N4200	4	4		2.5 GHz			Intel HD Graphics 505

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	1.8 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610
Pen 4415U	2	4	2.3 GHz				
i3-7100U			2.4 GHz		3MB		Intel HD Graphics 620
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		2.0 GHz	2.2 GHz		DDR4-1866	AMD Radeon™ R2 Graphics
A6-9210	2	2.4 GHz	2.8 GHz	1MB	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®	• Lenovo Companion
	• Microsoft® Office preloaded; purchase a product key to activate	• Lenovo Setting
		• Microsoft Office preloaded; purchase a product key to activate
	• McAfee® LiveSafe™ (30-day trial)	• 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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