Lenovo V110 (15") Platform Specifications

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		
i3-6006U			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	1.1 GHz	2.4 GHz	2MB	DDR3L-1600	Intel HD Graphics 500
Cel N3450	4	4		2.2 GHz			
Pen N4200				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	2	1.8 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610
Pen 4415U		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	2.0 GHz	2.2 GHz	1MB	DDR4-1866	AMD Radeon™ R2 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
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Some: Windows 10 Home 64
Some: Windows 10 Pro 64
- 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

Model	80TD000C++
Product	Lenovo V110-15AST
Machine Type	80TD
Region	EMEA
Processor	AMD A9-9410 (2C, 2.9 / 3.5GHz, 1MB)
Graphics	Integrated AMD Radeon R5 Graphics
Memory	4GB Soldered + 4GB DIMM DDR4-2133
Display	15.6" HD (1366x768)
Multi-touch	None
Storage	1TB 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)	10/16


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