Lenovo V310z Platform Specifications

Processor

Intel® Celeron®, Intel Pentium®, or 6th / 7th Gen Intel Core™ i3 / i5 / i7 Processor

Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Support (Up to)	Integrated Graphics
Celeron G3900	2 / 2	2.8G	2 MB	DDR4-2133	HD 510
Celeron G3930	2 / 2	2.9G	2 MB	DDR4-2133	HD 610
Pentium G4400	2 / 2	3.3G	3 MB	DDR4-2133	HD 510
Pentium G4560	2 / 4	3.5G	3 MB	DDR4-2400	HD 610
Core i3-6100	2 / 4	3.7G	3 MB	DDR4-2133	HD 530
Core i5-6400	4 / 4	2.7G / 3.3G	6 MB	DDR4-2133	HD 530
Core i7-6700	4 / 8	3.4G / 4.0G	8 MB	DDR4-2133	HD 530
Core i3-7100	2 / 4	3.9G	3 MB	DDR4-2400	HD 630
Core i5-7400	4 / 4	3.0G / 3.5G	6 MB	DDR4-2400	HD 630
Core i7-7700	4 / 8	3.6G / 4.2G	8 MB	DDR4-2400	HD 630

Memory

32GB max, DDR4-2400*, two 260-pin SO-DIMM sockets, dual-channel capable
* System clocks down for the processors with lower memory controller

Disk

Some: SATA 6.0Gb/s, 3.5" Wide, 5400 rpm or 7200 rpm
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s

Optical

Some: DVD Burner (DVD±RW), SATA 1.5Gb/s Drive, slim (9.0mm)

Media reader

6-in-1 media card reader

Graphics

Intel HD Graphics 510/530/610/630 in processor, uses main memory, DirectX® 12, external monitor support via HDMI out;
Max resolution: 1920x1080 (HDMI)@60Hz

Display

19.5" (495.3mm) **HD+ (1600x900)**, viewing angle (horizontal: 170°; vertical: 160°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare

Multi-touch

None

Camera

Some: 720p camera, with dual digital microphone, LED indicator, with privacy camera cover

Controls

Physical buttons for brightness up/down and power on/off on right side

Chipset

Intel H110 Chipset

Rear ports

Two USB 3.0, two USB 2.0, one ethernet (RJ-45), one HDMI out port, one optional serial (9-pin), one optional parallel (25-pin)

Side ports

Two USB 3.0, optional card reader, headphone / microphone combo jack (3.5mm)

M.2 card slot

Two M.2 Card slots (one for WLAN, one for M.2 SSD)

Audio support

High Definition (HD) Audio, Realtek ALC233 / two internal speakers (2W x 2)

WLAN[13]

Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA9377A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174A (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 3165, Wi-Fi + Bluetooth 4.1 combo adapter, 1x1
Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8265, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2

Bluetooth™

Some: Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

Gigabit ethernet, Realtek RTL8111G, Wake on LAN®

Manageability

None

Security chip

TPM (Trusted Platform Module) 2.0, TCG Certified
* Downgrade to TPM1.2 for the models with Win10 DG Win7 32 OS

Security features

- Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks back cover)
- Smart USB protection, allows keyboard/ mouse only, blocks all storage devices
- Rear I/O security cover
- Power-on, admin, hard disk password
- Boot sequence control
- Boot without keyboard and mouse
- Individual USB port disablement

Keyboard

Some: Lenovo Calliope Keyboard (USB connector), black
Some: Lenovo Calliope Wireless Keyboard (2.4GHz via USB receiver), black

Mouse

Some: Lenovo Calliope Mouse (USB connector), black
Some: Lenovo Calliope Wireless Mouse (2.4GHz via USB receiver), black

Mechanical

- Business black color
- Top Handle for easy carrying
- Support VESA mount (100mm)

	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments
Without stand:	19.4 X 2.3 X 15.9 (inch); 494 X 59 X 404 (mm)	12.0 / 5.44	N/A
With Monitor stand:	19.4 X 8.9 X 13.4 (inch); 494 X 227 X 341 (mm)	15.1 / 6.87	Tilt: 24° back, -5° forward Swivel: +/-45°

Power supply

120 watts external adapter, autosensing, 89% PSU

Limited warranty[3]

Some: **1-year** or **3-year**, **depot repair service**
Some: **1-year** or **3-year**, **limited onsite service**

Preload

Preloaded operating system
Some: Windows 10 Pro 64-bit
Some: Windows 10 Home 64-bit
Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64-bit (not available with 7th Gen Intel processor)

Preloaded applications (only some listed)
- Microsoft Office preloaded; purchase a product key to activate
- Lenovo User Guide

- Only for Window 10
- Lenovo Companion
- Lenovo ID

- Only for Window 7
- Lenovo Solution Center
- McAfee® LiveSafe™ (30-day trial)
- Adobe® Reader®

Environment

EPEAT™ Gold rating (North America); ENERGY STAR® 6.1; ErP Lot 3; GREENGUARD® certified; TCO certified; RoHS-compliant

Accessories

For compatible accessories, please go to **http://www.lenovoquickpick.com/**

See footnotes for more detailed information

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